天士博 TRACEBOARD

TRACEBoard™

User Manual

Digital Interactive Whiteboard

Product Figure

The genuine symbol of the interactive whiteboard: Handy Intelligence Key (HIKey)

Product figure

Hi-tech Enterprise Certificate
BMSTC
(Beijing Municipal Science & Technology Commission)

ISO 9001 International Quality System Certification
Beijing Zhongda Huayuan Certification Center

Software Intellectual Property Certification
NCAC
National Copyright Administration of PRC

TRACEBoard Pruduct Patents
State Intellectual Property Office of PRC

CE Certification
CCQS

China Compulsory Certification
China Certification Center for Electromagnetic Compatibility

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Notice

Safety

Don't look directly into the beam of light when the TRACEBoard interactive whiteboard and the projector are both working. Don't place the data cable in an area where it's likely to be stepped on or stumbled by items placed or against it. If you must run a cable over the floor, lay it in a flat, straight line, and secure it to the floor with tape or a cable management strip of contrasting color.

Usage

The angle between the whiteboard and the electronic pen should be 45 degrees at least.
The pressure you touch on the board must be at least 10g.

Environment

You'd better not put any electrical apparatus (such as: displayer) within 50cm of the interactive whiteboard in order to avoid electromagnetic interference. Avoid setting up and using the interactive whiteboard in an area with excessive levels of dust, humidity, or smoke.

Projector

If you choose the whiteboard with scale of 16:9, the projector must be 16:9 accordingly.
The upward line of the projector must parallel with the upward line of the whiteboard. At the same time,
the screen center must be at the middle of the whiteboard, and the definite distance can be decided in terms of the model of projector. The mappings which the projector produces must be within the valid area of the whiteboard. See as Fig10.1

The blue area is valid (the mappings which the projector produce must be within it)

Fig 10.1

If you transport the interactive whiteboard over a long distance, completely repackage it using the original packaging. If the original packaging is not available, pack all the components as much padding as possible to protect them from vibration or shock.

Replacement Parts

If your TRACEBoard interactive whiteboard requires replacement parts, please use the parts that are specified by TRACEBoard.

Extension Cable

Please use the double shielded twisted pair (total length shall be no more than 30m, otherwise there is signal attenuation) for the extension of data cable.

Chapter Ⅰ Installation Instruction

1 Hardware Installation

1.1 Wall-Mounted Installation

1.1.1 Fittings：

S/N	Name	Qty	Picture
1	Self Tapping Screw	5	
2	Anchor Bolt	5	
3	Wall-Mounted Strip	1	

Tab 1.1.1

1.1.2 Steps:

The height of wall-mounted strip is illustrated as Fig. 1.1.1 (190cm from the ground). Fix the central snail hole of wall-mounted strip, and then fix other four snail holes with the gradienter.

① Cement or brick wall: Drill holes on the wall with the aiguilles 8 mm. Screw anchor bolts inside holes, then fix the wall-mounted strip on anchor bolts with self tapping screws. Finally screw self-tapping screws tightly, illustrated as Fig. 1.1.2.

② Plaster wall: Drill holes on the wall with the aiguilles 6 mm. Screw anchor bolts inside holes, then fix the wall-mounted strip on anchor bolts with self tapping screws. Finally screw self-tapping screws tightly.

③ Wood wall: No anchor bolt needed. Fix the wall-mounted strip with self-tapping screws, and then install the whiteboard.

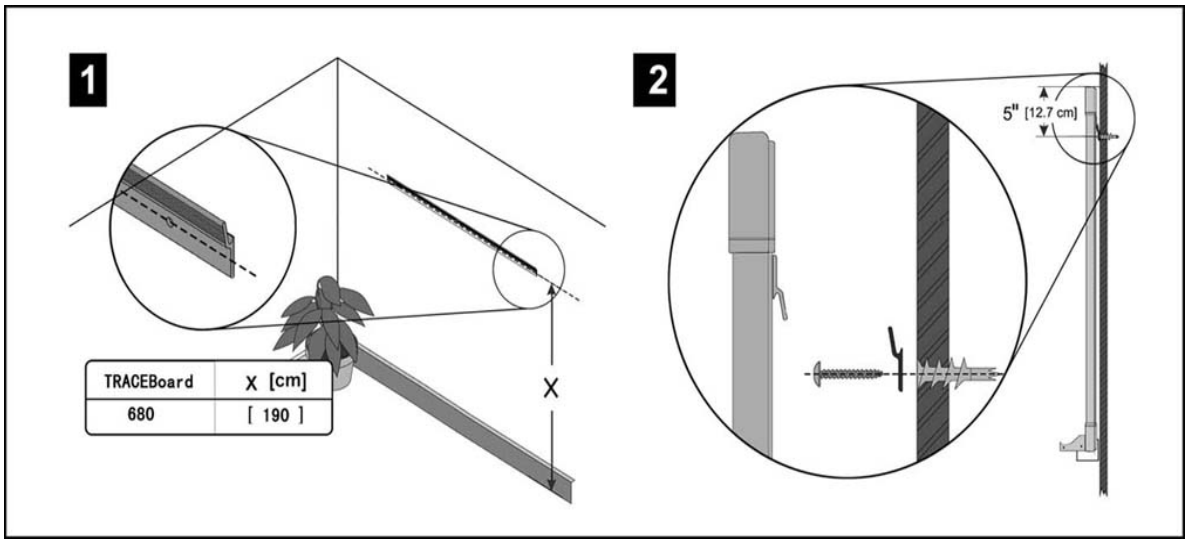


Fig. 1.1.1 Fig. 1.1.2

2 Software Installation

2.1 Operating System Requirements

Microsoft Windows2000 or later, including Windows 2000, Windows XP and Windows Vista.

2.2 Hardware Requirements

2.2.1 Minimum required configuration system

CPU: PⅢ800; Memory: 128M; Hard disk: 20G; Graphic card memory: 32M; USB interface

2.2.2 Recommended system configuration

CPU P4 2.4G; Memory: 512M; Hard disk: 80G; Graphic card memory: 128M; USB interface

Attention:

Do not connect cable before software installation.

Some functions are subject to the restrictions of the operating system.

2.3 Software Installation

Notice: Please install all the related software successfully to make sure this software can work normally.

Installation Steps:

2.3.1 Power on the computer. After booting the operating system, insert the TRACEBoard setup disc contained in product package into your CD-ROM driver.

2.3.2 Normally, Setup program will start automatically. If it does not start automatically, double-click the CD-ROM icon on your computer to open CD-ROM folder, and then double-click the setup file (‘setup.exe’) to run it manually.

2.3.3 Elect your language. The setup application will set the default language according to your operating system. If you want to choose a language different from that of your operating system, please change it manually. See Fig. 1.2.1.

Fig. 1.2.1

2.3.4 After selecting your language, please click the "OK "button, and then the following dialog will be displayed, see Fig. 1.2.2

www.TRACEBoard.com
TRACEBoard
TRACEBoard Digital Interactive System
V3.5
Beijing Really-Sun Technology Development Co.,Ltd.
Copyright (C) 2006-2007
InstallShield Wizard
TRACEBoard Digital Interactive System Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.
Checking Operating System Version
Cancel

Fig 1.2.2

2.3.5 If your operating system has not installed Microsoft .Net 1.1 Framework, setup program will prompt you to install it, See Fig. 1.2.3.

www.TRACEBoard.com
InstallShield
TRACEBoard Digital Interactive System optionally uses the Microsoft (R) .NET 1.1 Framework. Would you like to install it now?
Yes
No
V3.5
Beijing Really-Sun Technology Development Co.,Ltd.
Copyright (C) 2006-2007
InstallShield Wizard
TRACEBoard Digital Interactive System Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.
Configuring Windows Installer
Cancel

Fig 1.2.3

Please click the "Yes" button to start to install it, otherwise to abort and exit setup. See Fig.1.2.4.

www.TRACEBoard.com
TRACEBoard
TRACEBoard Digital Interactive System
V3.5
Beijing Really-Sun Technology Development Co.,Ltd.
Copyright (C) 2006-2007
InstallShield Wizard
TRACEBoard Digital Interactive System Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.
Checking Operating System Version
Cancel

Fig 1.2.4

2.3.6 When all components of Microsoft .Net 1.1 Framework are installed, Setup will prompt you to reboot system to finish setup process. See Fig 1.2.5.

InstallShield
Setup has completed configuring the Windows Installer on your system. The system needs to be restarted in order to continue with the installation. Please click Restart to reboot the system.
Restart

Fig 1.2.5

2.3.7 After rebooting the system, a dialog will show to continue Setup. Press “Next” button to confirm the installation, shown as Fig 1.2.6.

TRACEBoard Digital Interactive System - InstallShield Wizard
TRACEBOARD™
Welcome to the InstallShield Wizard for TRACEBoard Digital Interactive System
The InstallShield(R) Wizard will install TRACEBoard Digital Interactive System on your computer. To continue, click Next.
WARNING: This program is protected by copyright law and international treaties.
< Back
Next >
Cancel

Fig 1.2.6

2.3.8 The License Agreement dialog will show up after clicking the next button. Please read it carefully, then click “I accept” button to continue. Otherwise, click “I do not accept” to abort (shown in Fig 1.2.7).

TRACEBoard Digital Interactive System - InstallShield Wizard
License Agreement
Please read the following license agreement carefully.
TRACEBOARD
TRACEBoard Digital Interactive System Software License Agreement
(This Agreement shall be governed by and construed under the laws of the People's Republic of China)
BEIJING REALLY SUN CO., LTD shall have the final say on the agreement.
This Agreement is a legal agreement concerning the use of TRACEBoard Digital
I accept the terms in the license agreement
I do not accept the terms in the license agreement
InstallShield
< Back
Next >
Cancel

Fig 1.2.7

2.3.9 Input user name and organization. Choose users of this program, then press "Next" Shown as Fig 1.2.8.

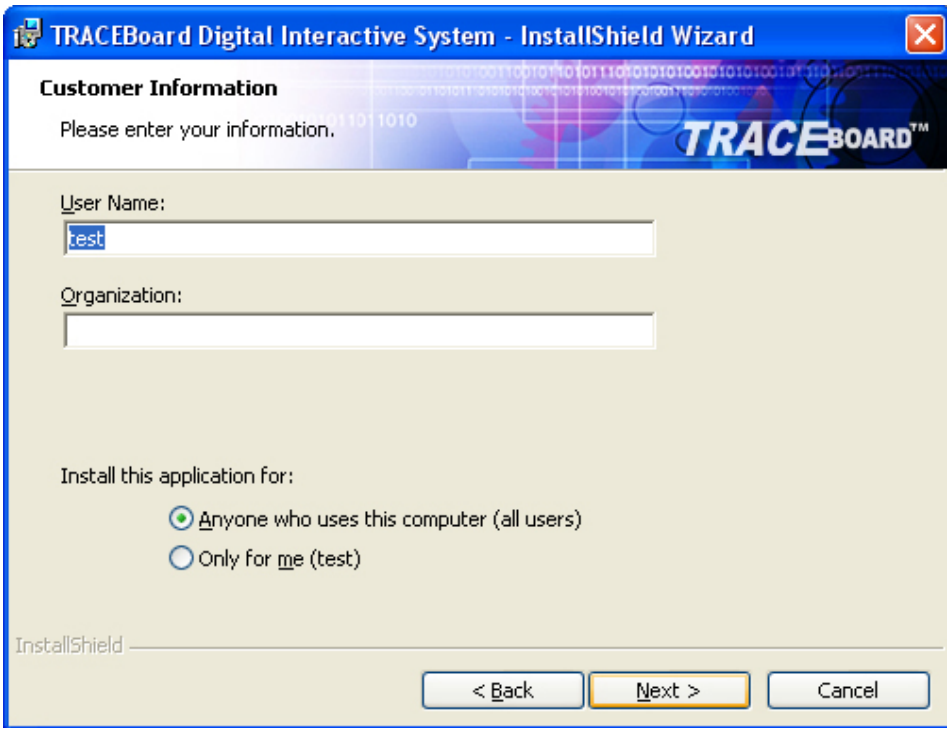


Fig 1.2.8

2.3.10 Choose your favorite type of setup. Complete setup is a recommendation. Then press next button to continue. See Fig. 1.2.9.

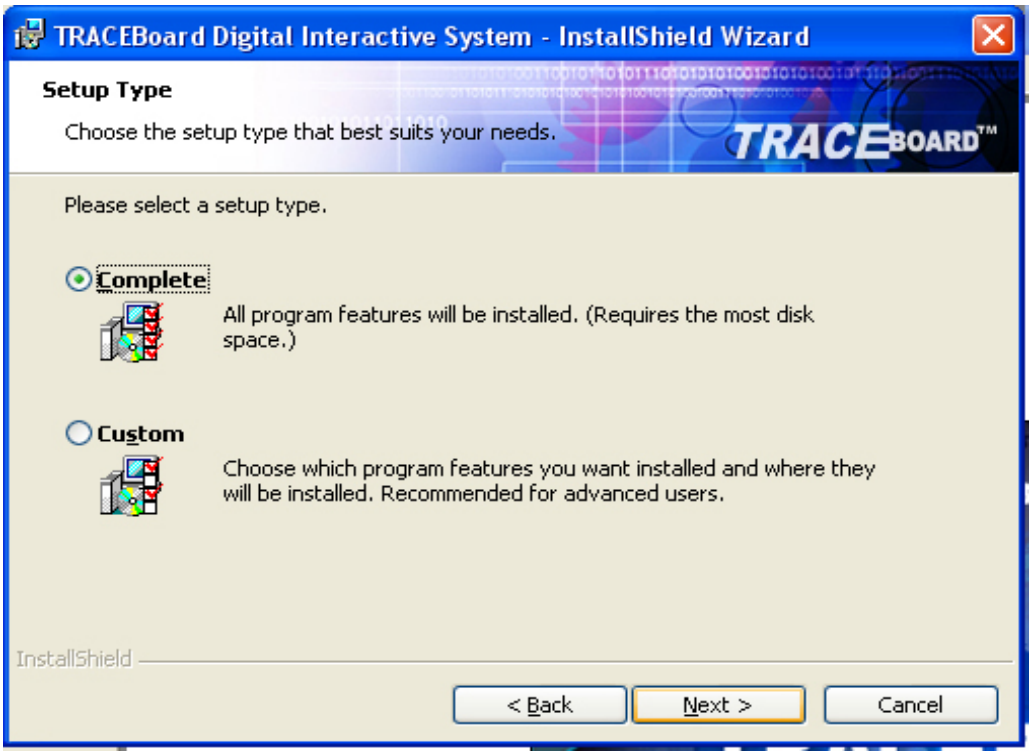

TRACEBoard Digital Interactive System - InstallShield Wizard
Setup Type
Choose the setup type that best suits your needs.
TRACEBOARD™
Please select a setup type.
Complete
All program features will be installed. (Requires the most disk space.)
Custom
Choose which program features you want installed and where they will be installed. Recommended for advanced users.
InstallShield
< Back
Next >
Cancel

Fig 1.2.9

2.3.11 After finishing steps above, the following dialog will be displayed. Press “Install” to start the installation. See Fig. 1.2.10

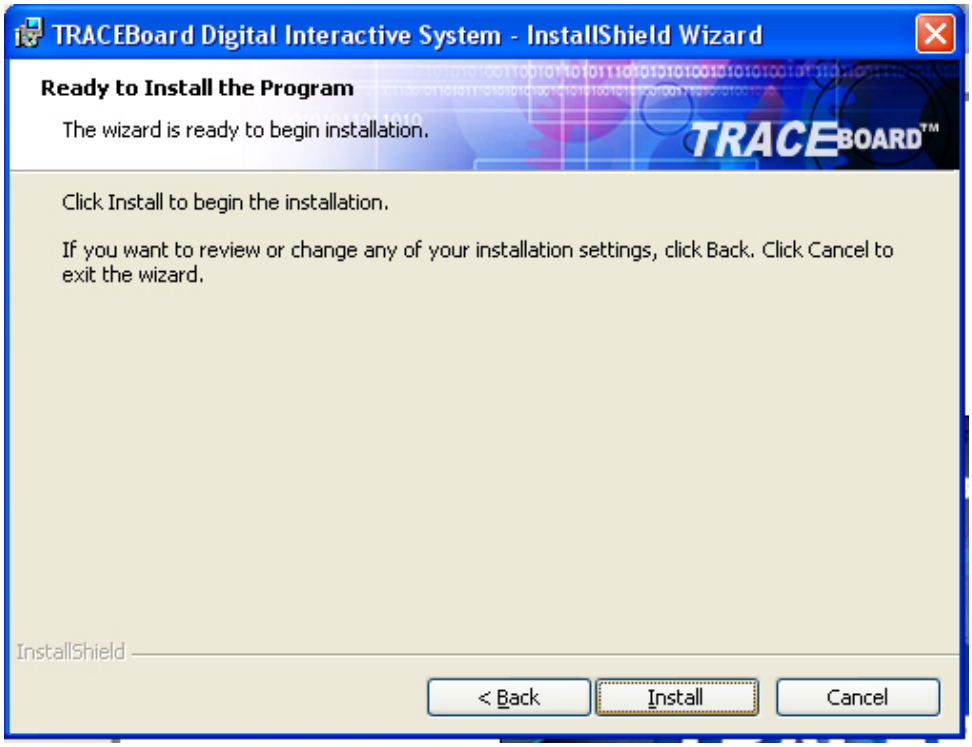

TRACEBoard Digital Interactive System - InstallShield Wizard
Ready to Install the Program
The wizard is ready to begin installation.
TRACEBOARD™
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield
< Back
Install
Cancel

Fig 1.2.10

2.3.12 During setup process, please click “Cancel” button to abort installation. See Fig.1.2.11.

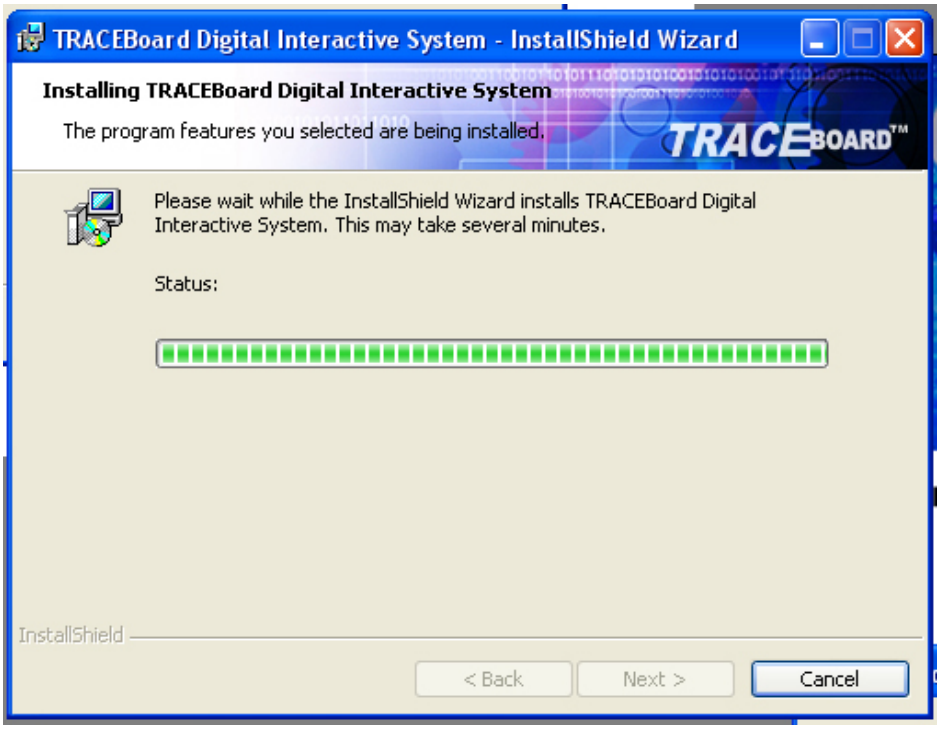

TRACEBoard Digital Interactive System - InstallShield Wizard
Installing TRACEBoard Digital Interactive System
The program features you selected are being installed.
TRACEBOARD™
Please wait while the InstallShield Wizard installs TRACEBoard Digital Interactive System. This may take several minutes.
Status:
InstallShield
< Back
Next >
Cancel

Fig 1.2.11

2.3.13 Press "Finish" button to complete the installation of TRACEBoard software. See Fig.1.2.12

TRACEBoard Digital Interactive System - InstallShield Wizard
TRACEBOARD™
InstallShield Wizard Completed
The InstallShield Wizard has successfully installed TRACEBoard Digital Interactive System. Click Finish to exit the wizard.
< Back
Finish
Cancel

Fig 1.2.12

2.3.14 When you finish installation after clicking "Finish" button, you will see the following dialog for tip. It is normal because that your computer has not connected to the whiteboard. At the same time, shortcut icons of TRACEBoard Tools and TRACEBook software will be shown on your desktop. Also, the related icon will be shown on the bottom right corner on your computer's screen. Now, this software has already installed successfully in your computer. See

Fig. 1.2.13

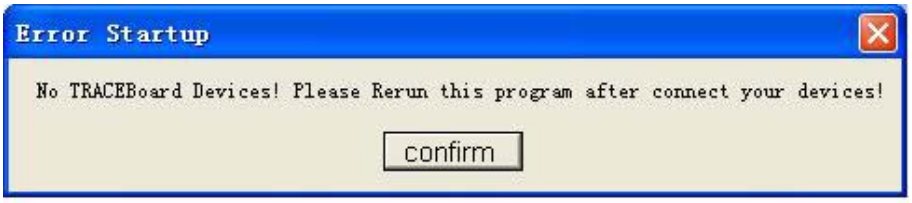


Fig 1.2.13

Notice: This hint is just used to remind you that the computer does not connect to this product. Please make sure the connection to the whiteboard is ok. If you do not need this dialog box, click the button to let it disappear. But you will see it again when you restart TRACEBoard Tools.

2.3.15 After the installation of this software is finished successfully, there are two icons of TRACEBook and TRACEBoard Tools to be shown on desktop as Fig.1.2.14. Double-clicking the icon of TRACEBoard Tools can launch the TRACEBoard Tools (Normally, the tool will automatically be launched when the operating system starts up). You can see the shortcut icon in the bottom right corner of the screen when it is launched. Double-clicking the icon of TRACEBook can start the TRACEBook application by which you can make your courseware easily or start your lecture vividly.

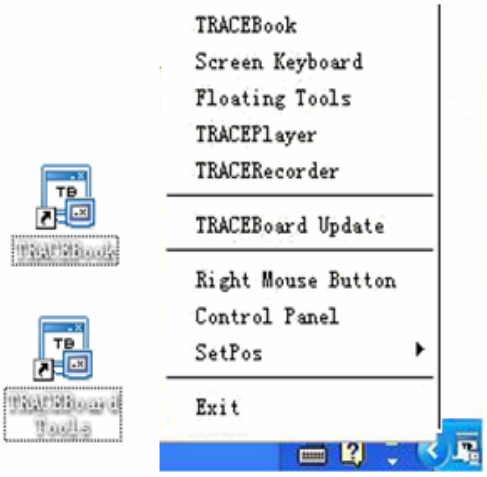


Fig. 1.2.14

3 Connection Cable

For the interactive whiteboard connection, one USB cable is needed. There is no No extra power supply required for this product. After connecting the cable between the USB interface of PC and the interface of the interactive whiteboard, the connection is completed. Two ends of the cable are shown as Fig 1.3.1. After successful installation, the indicator of the interactive whiteboard becomes green. If it is colorless, there is no connection of the cable. If the indicator is red, there is unsteady connection of the cable (For detailed information, please see Chapter 8). Double-click the icon “TRACEBoard Tools” to activate the tools. Interfaces of the interactive whiteboard and indicator colors are shown as Fig.1.3.2.

USB interface for connection to the PC	USB interface or RS232 serial interface for connection of the interactive whiteboard

Fig. 1.3.1 Two interfaces of data cable

The indicator is colorless.	The indicator is red.	The indicator is green.

Fig 1.3.2 Interfaces of the interactive whiteboard and indicator colors

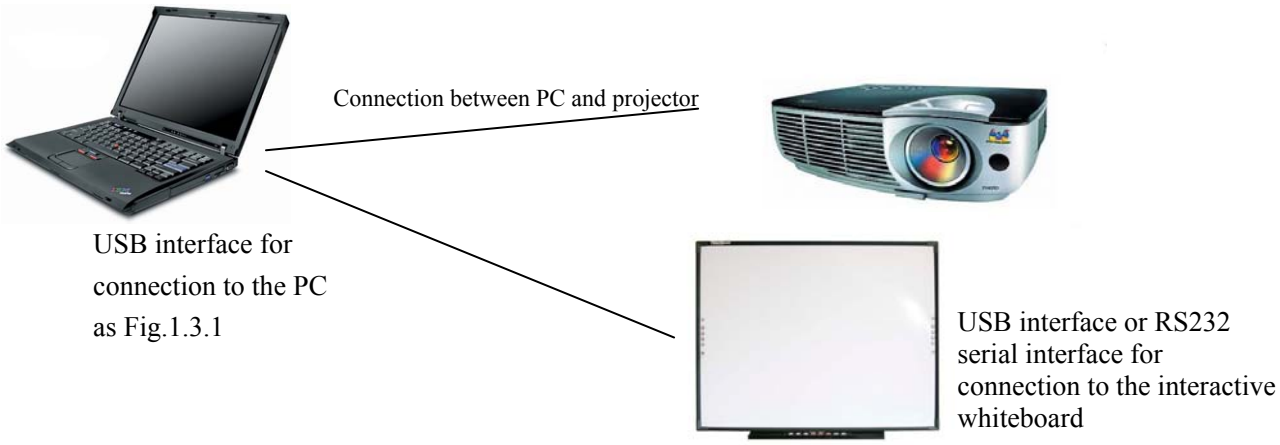

Connection between PC and projector
USB interface for connection to the PC as Fig.1.3.1
USB interface or RS232 serial interface for connection to the interactive whiteboard

Fig 1.3.3 Link figure of the interactive whiteboard

4 Position-setting

It is necessary to set the position for the first time, and no more position-setting is needed for later usage (Please reset the position if the relative position between the projector and the interactive whiteboard has changed,operating system has upgraded, or the monitor resolution has changed). After the connection among your PC, the interactive whiteboard, and the projector (complete installation of TRACEBoard software, normal run of TRACEBoard Tools), click position-setting button on the Toolbar of TRACEBoard interactive whiteboard to activate it. It is possible to set position by the position-setting command in the notice area at the bottom right of the screen. The position-setting process is a simple procedure of clicking 9 flashing "+" on the whiteboard with an electronic pen one by one (While setting the position, the pen should be vertical to the whiteboard, and restart the position if the click is wrong). Make the whiteboard to identify the exact position of the pen, it will exit after the completion of position-setting, which is shown as Fig 1.4.1

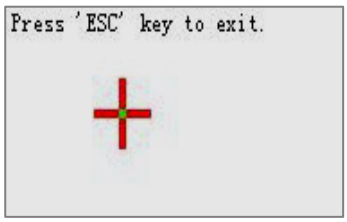


Fig1.4.1 Position-setting interface

Chapter Ⅱ Introduction of Basic Function

This chapter of the manual gives you an overview of the application and the usage of Handy Intelligence Key (HIKey) technology. HIKey consist of Handy Intelligence KeyI(HIKeyI) and Handy Intelligence KeyII (HIKeyII). HIKey locates at the two sides and the bottom of TRACEBoard interactive whiteboard.

1 The Distribution of HIKey

Note:

- Both Series 5 and Series 6 have the functions of HIKey I.
- It is only Series 6 that has the functions of HIKeyII.
- There is no HIKey technology in Series 4. For more details on the usage of Floating Tools, see section 8 of Chapter 4 to fully understand how to implement the same function of HIKey in Series 4.

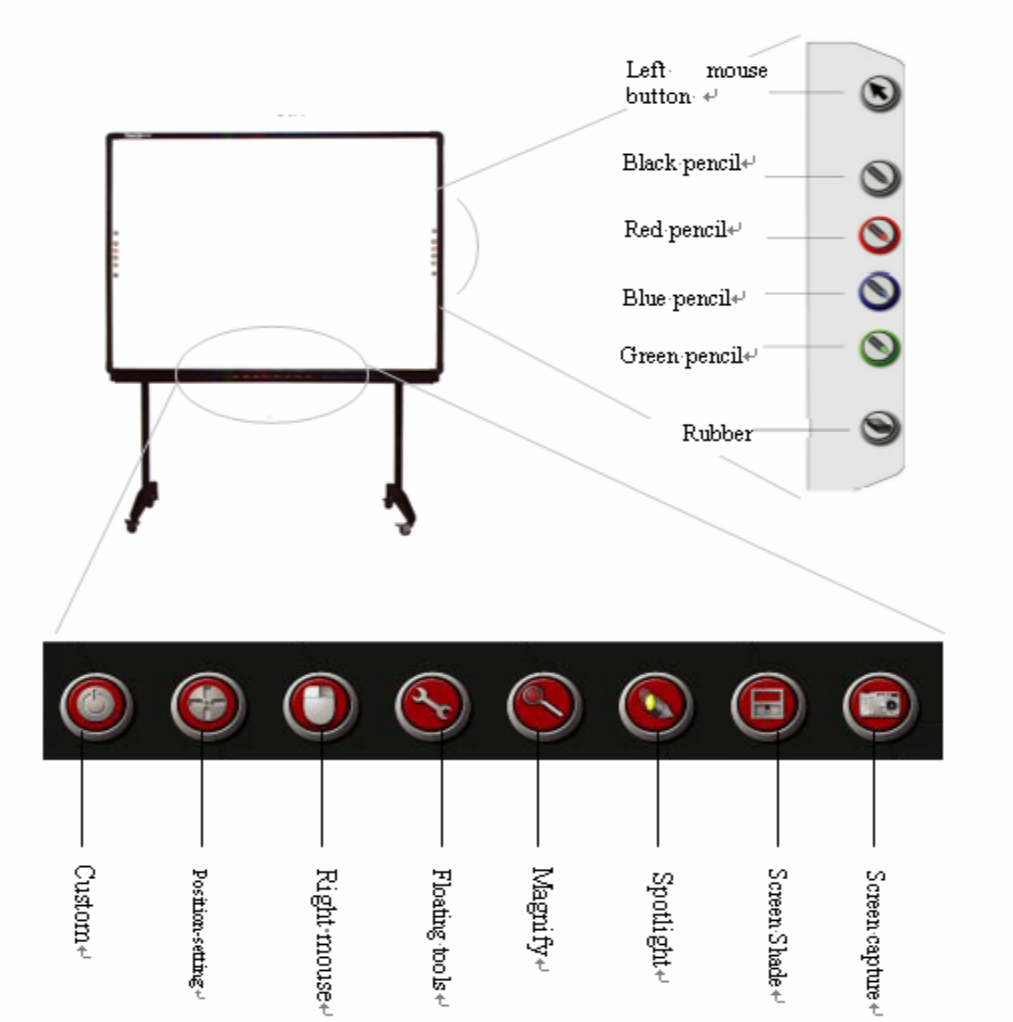


Fig 2.1.1 Pen Panel and Toolbar

There are two same HIKeyI at both sides of TRACEBoard interactive whiteboard, which is specially designed to facilitate the user's operation. HIKeyI include 6 buttons which could perform different functions by proper operation. HIKeyII are at the bottom of the whiteboard, which include 8 tool buttons. HIKeyII aim to make your operation more easily and convenient. It provides the shortcut of controlling the whiteboard and opening or closing the corresponding tools. (See Fig2.1.1) The detailed introduction is as follows:

2 The Application of HIKey I

2.1 Left mouse or Right mouse Button

2.1.1 Left Mouse ：

Press button, and release it, the electronic pen will perform the normal function of the left mouse, such as single-clicking, double-clicking, selecting and dragging, etc. Move the mouse on a folder or a file The folder or the file could be opened by quick pressing twice.

2. 1. 2 Right Mouse：

Press the button for a moment. Meanwhile, click the whiteboard and then it will perform the normal function of the right mouse. If you release the button, it will switch back to the left mouse. Another method to implement the right mouse function is to press the r**ight mouse icon**, and then the first click you make with electronic pen on the whiteboard is right–click. Then restore the normal left click.

2.2 Pen

2.2.1 Usage of the pen panel(tray)：

Pen panel include four pen buttons with four different colors separately, which are black, red, blue and green. For instance: when you press the button, you can write the black words on the whiteboard with electronic pen, all the pen trace is vector, and it can be zoom in (out) clearly as you want. You may save what you drew as picture format with "Screen Capture" (please refer Chapter 2, "Screen Capture").

2.2.2 Modification of the pen：

- **Shortcut modification：**
  If there is no color you want or the size of the pen is not proper, quickly pressing button twice can customize the properties of the pen according to your requirements on Property Setting dialog. You may also modify it on "Control Panel" of TRACEBoard.
- **Long-term modification：**
  You may find a "control panel" menu item if you click the "TRACEBoard Tools" icon at the notification area (at bottom right of the computer screen), then you can modify the properties of the pen in that dialog. In this way the modification will be valid for all the time, and will be saved by system until the alteration next time. You may set up the properties of Pen Panel, Application Locale (selecting language) and Floating Tools in "Control

Panel". The interface is shown as Fig2.12.

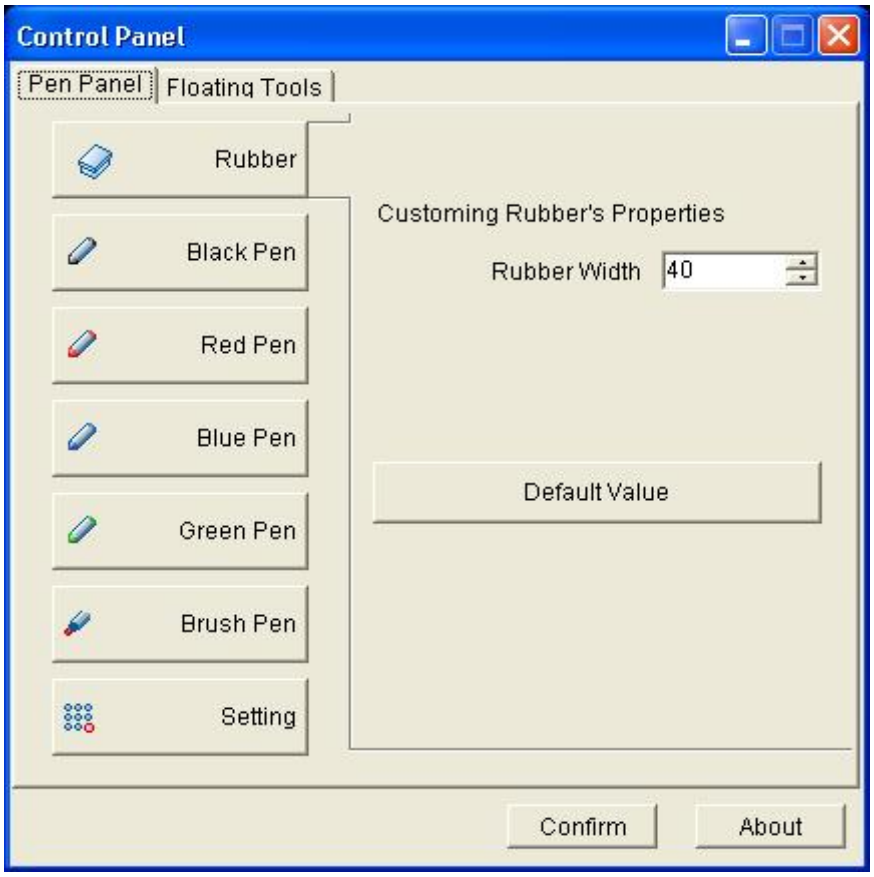


Fig2.12.

Fig 2.1.3 Pen property setup

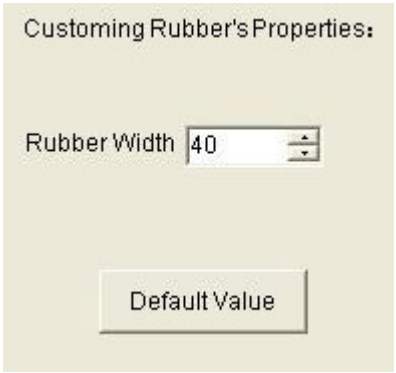


Fig 2.1.4 Eraser property setup

Customize the color and the width of the pens in Pen Panel according to your need. The width range of the pen is from 1 to 100. You may input value directly in the dialog box, or click the adjustment button to adjust the value, shown as Fig 2.1.3. "Select color" option provides lots of color for your selection. If click "Default Value" button, all properties will resume the initial settings.

2.3 Rubber

2.3.1 Usage of the rubber:

Press the button, the electronic pen will be converted to a rubber, and erase all current selected objects or what you have drawn with the electronic pen in TRACEBook: select the object to be erased, and press the Rubber button on the Pen Panel to delete selected items. Move the electronic pen on what you have drawn will erase it, just the same as using normal eraser to erase what you've written by the e-pen. You may close current active window in the mouse mode by pressing rubber (**Note:** Invalid in the TRACEBook). Another erasion function can also be available if you click the inner area of an enclosed circle shape which includes all the drawn objects you want to erase, and then you could make all in the circle to be erased.

2.3.2 Modification of the rubber:

- **Shortcut modification:**
  Double-click the button, you can modify the width of the rubber temporarily. This result will be dismissed when launch "TRACEBoard Tools" next time.
- **Long-term modification:**
  It is possible to set up the erasion range of "Rubber" for long time, shown as Fig 2.1.4. Set up the width of Rubber according to your requirements. Its value ranges from 1 to 100. You may input value directly or click the adjustment button to modify it. In this way the modification will be valid for all the time, and will be saved by system until the alteration next time.

2.4 The Function of HIKeyI

<table>
<tr><th rowspan="2">Icon</th><th rowspan="2">Name</th><th colspan="2">Press Once</th><th colspan="2">Quick Press Twice</th><th colspan="2">On Pressing</th></tr>
<tr><th>Windows</th><th>TRACEBook</th><th>Windows</th><th>TRACEBook</th><th>Windows</th><th>TRACEBook</th></tr>
<tr><td></td><td>Mouse</td><td colspan="2">When the button is pressed, the electronic pen has the same function of the left mouse, including object selecting, area selecting, dragging, etc. It can also continue to play the paused movies in the " TRACEPlayer" by pressing .</td><td>Quick pressing twice can open a folder or a file.</td><td>Magnify any elements apart from the text:
1. Double press the right part of the certain element can be magnified.
2. Double press the left part of the certain element can be diminished.</td><td colspan="2">Electronic pen switch to the right mouse</td></tr>
<tr><td></td><td>Black pen button</td><td colspan="2" rowspan="3">When the button is pressed, e-pen can work with corresponding color and width. It can also pause the movies played in the "TRACEPlayer".</td><td colspan="2" rowspan="3">After double pressing the pen buttons, any value of width and color of the pens can be assigned upon the dialog showing up.</td><td colspan="2" rowspan="3"></td></tr>
<tr><td></td><td>Red pen button</td></tr>
<tr><td></td><td>Blue pen button</td></tr>
</table>

	Green pen button				
	Rubber	Close the current open window except "TRACEBook".	1. Delete the selected element. 2. Delete the selected words in text editing. 3. Rubber.	After double pressing the rubber button, any value of width of the rubber can be assigned upon the dialog showing up.	
		Switch the e-pen to the Rubber. 1.Press the button ,the electronic pen will be the rubber, and erase what you've drawn with the electronic pen in TRACEBook: 2. Circle the objects you want to erase. Click the inner area to clear it.			

3 The Application of HIKey II

Note: All the buttons of HIKey II are Handy Intelligence Key by which you can press once to open, and press again to close.

3.1 Screen keyboard or custom

You may customize other application or file to be startup with "Custom" button in the Toolbar according to your requirements. The procedure is as followed: the default application of "Custom" button is "Screen Keyboard". It is unnecessary and inconvenient to operate between the whiteboard and the computer if you just input several words. Select the area for text input, press button to show "Screen Keyboard", (see as fig. 2.1.5) and then type the words. After finishing it, you may close it or press this button again to exit. If you double press this button, a dialog box shows up(see as fig.2.1.6). Click "Startup" in it, and select the file or program used by you frequently. Then click "OK" button to confirm your new selection and exit, or click to exit without modification. If you like to resume its initial "Screen Keyboard" function, double click this button, and select "Default" in the dialog box, then you can resume "Screen Keyboard" function.

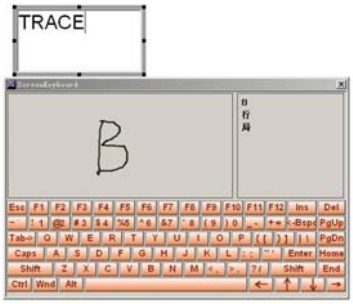


Fig. 2.1.5 screen keyboard

Fig. 2.1.6

3.2 Position-Setting

In order to control the computer exactly by electronic pen, it needs "Position-setting", (Refer to chapter 1 section 4).

3.3 Right Mouse Button

Press button, the electronic pen will convert into the right mouse button, single-click on the board will achieve the functions of right-click. You may click "Right Mouse Button" menu item of TRACEBoard Tools in tray menu (at the right bottom of the desktop), and the electronic pen will become the right mouse button permanently. Click "Mouse Button" on Pen Panel to resume the functions of the left mouse. After the objects are selected in TRACEBook, click at the "Right Mouse Button" hotspot to prompt the right mouse menu of selected objects.

Note: in consideration of low usage frequency for the right mouse button, "Right Mouse Button" only perform right click once, after you click it, the electronic pen will restore default setting.

3.4 Floating Tools

Press button, the toolbar prompts as Fig 2.1.7. It is the combination of Pen Panel and Toolbar. You may drag this toolbar freely on the whiteboard; click the icon in the toolbar to use it. Floating Tools may meet different requirements of different users. It is possible to add or delete some tools.

(Detailed instruction you can refer to the second point of section 8 in chapter 3).

Fig. 2.1.7 Floating Tools

3.5 Magnify

Press button, a window is prompted to expand the area surrounding the mouse cursor.

You can adjust the size of the window or move it on the desktop. Magnified times may be adjusted on the Magnify setting.

(Note: It is better not to use the high comparison ratio and the reflect color mode, otherwise it will affect the result of application.)

Fig. 2. 1. 8Magnify

3.6 Spotlight

Press button, the effect of spotlight will be shown on the screen, which will emphasize the partial content, shown as Fig 2.1.9. Drag the blue frame of spotlight to adjust the size of aperture. Click down and move the electromagnetism pen at black area to move the aperture. At the same time, you can write and note in the aperture.

Fig 2. 1. 9 Spotlight interface

3.7 Screen Shade

Press button to show the shade, shown as Fig 2.1.10 Drag handles on the rim of shade with an electronic pen. You can drag the shade upward, downward, leftward and rightward. The presentation content may be gradually displayed according to the requirements during the interactive presentation.

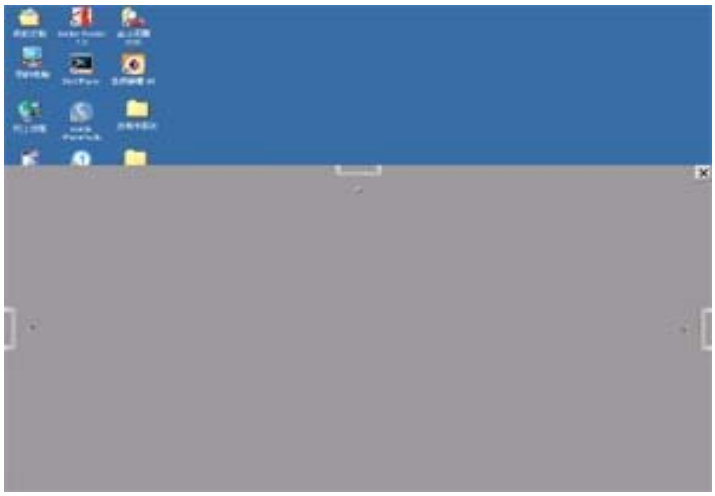


Fig2.1.10 Screen shade interface

3.8 Screen Capture

Press button to show “Screen Capture” tool, shown as Fig 2.1.11. There are three “Screen Capture” methods:

3.8.1 **Full Screen Capture** **:** capture all contents of current screen and paste it into TRACEBook.

3.8.2 **Region Capture** **:** select a rectangle area with an electronic pen, and release the pen to finish the region selection, and then the selected region will be captured and pasted into TRACEBook.

3.8.3 **Window Capture** **:** click the window you want to capture, and the selected window’s content will be captured and pasted into TRACEBook.

There are choices of AddPage and CurPage in the screen capture tools: AddPage option will put what you captured into a new TRACEBook page; CurPage option will put it into current TRACEBook page. Also, you can get the same effect by clicking at the menu item “Screen Captrue” on the menu, which popups when you click on the icon of “TRACEBoard Tools” at the bottom-right of the desktop.

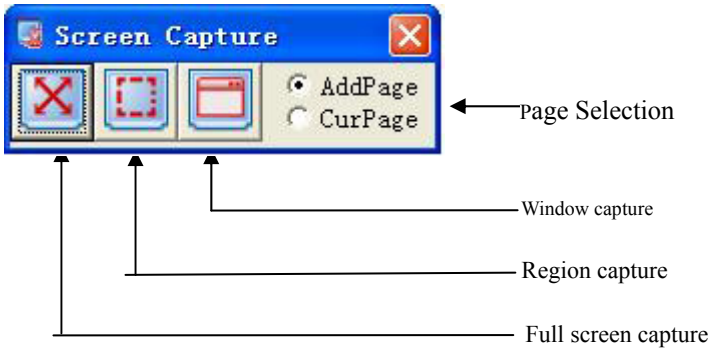


Fig2.1.11screen capture

Chapter Ⅲ Usage of the Cognitive Ink (CI) Technology

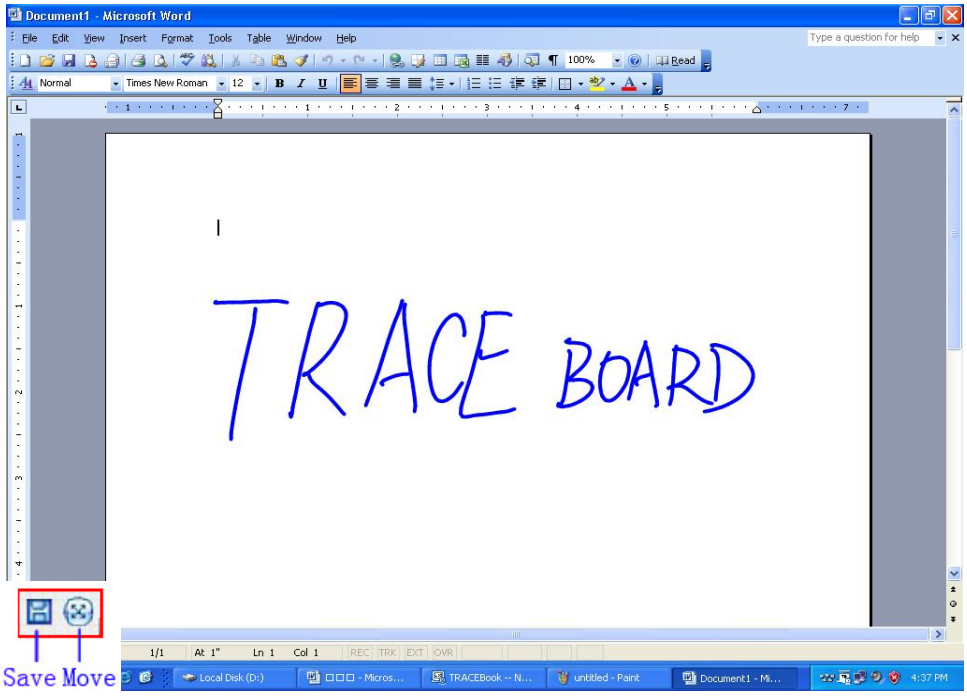
CI, as it shows, is a kind of Intelligence ink technology, which means you can draw or write with your electronic pen on TRACEBook software or any other third party software to make your annotation or illustration.

When you operate in other software with your electronic pen, the icon will be found in the left bottom of the software interface. Any amendment in this software will be saved if you click , without changing format. On the other hand, all the illustrations made in the software will be gone if you don't save it, when you press to convert into mouse mode.

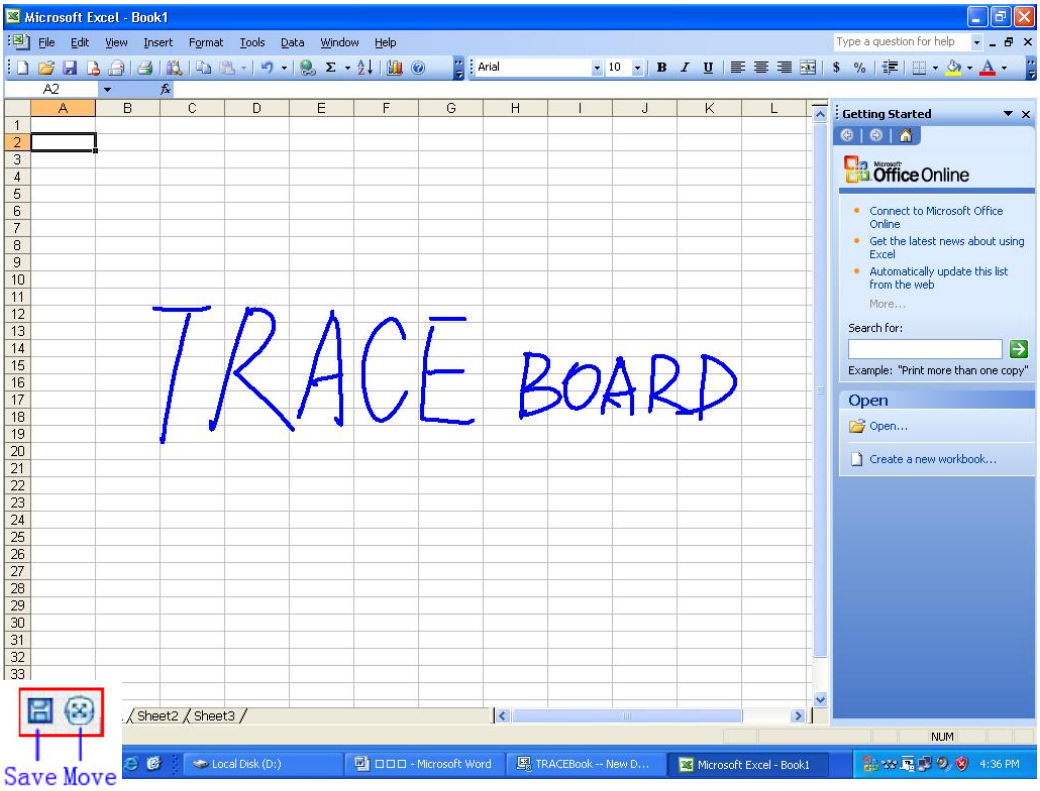
Drag the button, the bar could be moved with the mouse so as to make your annotation's saving convenient and prompt.

You may check how to save your annotation with TRACEBoard CI in Word\Powerpoint\Excel below:

Microsoft Word Sample:



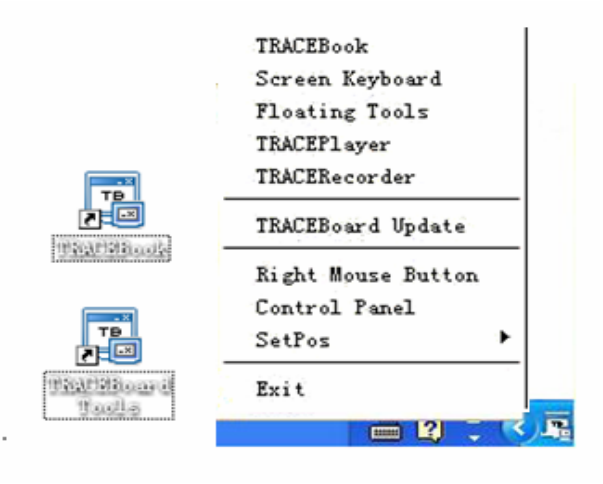
Microsoft Excel Sample:



Microsoft PowerPoint Sample:

Chapter Ⅳ TRACEBoard Tools

TRACEBoard Tools is located on the system tray area (at the bottom right of the desktop, shown as Fig 4.1.1). Introduction of all tools is as follows:



1 TRACEBook

Startup TRACEBook application.

2 Screen Keyboard

Startup “Screen Keyboard” tool, its function is the same as “Screen Keyboard” on the Toolbar(HIKey Ⅱ).

3 Floating Tools

Show up “Floating Tools”, its function is the same as “Floating Tools” on the Toolbar (HIKey Ⅱ).

4 Video Player（not Supported in Series IV）

The menu bar of “Video Player” window includes “File”, “Play” and “Info”, shown as Fig 6.2.2. “File” is to browse video files; “Play” is to control the play speed; “Info” is the help information about the player. The control buttons at the bottom of window are Play, Forward, Backward, Full Screen, and Progress Bar. Click “Full Screen” button to switch to full screen mode. There are two buttons at the left and the right bottom respectively during full screen mode, which can switch back to window mode when you click it. All video formats supported by “Windows Media Player” may be played in the TRACEPlayer.

Special functions of TRACEPlayer: During playing a video file, click any “Pen” button, such as , on the Pen Panel, the player will pause, and you may write notes on the current picture. Furthermore, you can save it into TRACEBook by “Screen Capture” for future reference (Please refer Chapter II, “Screen Captrue”). Click “Mouse Button” on the Pen Panel to resume playing the video file.

5 Video Recorder

"Video Recorder" interface is shown as Fig 4.1.3. Click "Start" button to record your operations on the whiteboard. You may pause or stop conveniently. Buttons are shown as Fig 4.1.4. Click "Stop" button, "Save Dialog" will show up, then you can save recorded content into a file, and the file will be saved as AVI format. The size of the video is recorded exactly as same as the actual one by 1:1 to keep a high quality. If the computer is connected with the microphone, the sound of speech may be recorded at the same time. The size and quality of recorded contents will be decided by the performance of your PC. （Note：The Dialog should be minimized during recording, and the recording will produce much better result if the video memory of your computer is larger than or equal to 128M）.

Fig 4.1.3

Fig 4.1.4

6 Software Upgrade

6.1 Solution Ⅰ:

Users may ask the agents or local sellers to get the updating disk to update the software.

The original one should be uninstalled before the new version is installed. (Please refer point 3, para 2, Chapetr I).

Software uninstallation:

To upgrade TRACEBoard software, you should uninstall the previous version firstly, and then install upgrade software step by step according to the above introductions and the on-screen instructions. Solution to uninstall TRACEBoard software: (the TRACEBoard Tools on the right bottom of the desktop should be shut down in advance)

6.1.1 Click the "Start" button on the desktop. Expand "control panel" in "setting". Double-click "add/delete program". Select the "delete" item under "TRACEBoard Digital Interactive System" to uninstall the software, as Fig 4.1.5.

6.1.2 Click the "start" menu. Find "TRACEBoard" in "program" and open it. Select "Uninstall TRACEBoard Digital Interactive System" to confirm the uninstallation upon showing up of the confirmation dialog. As Fig 3.3.2-3.3.3.

`

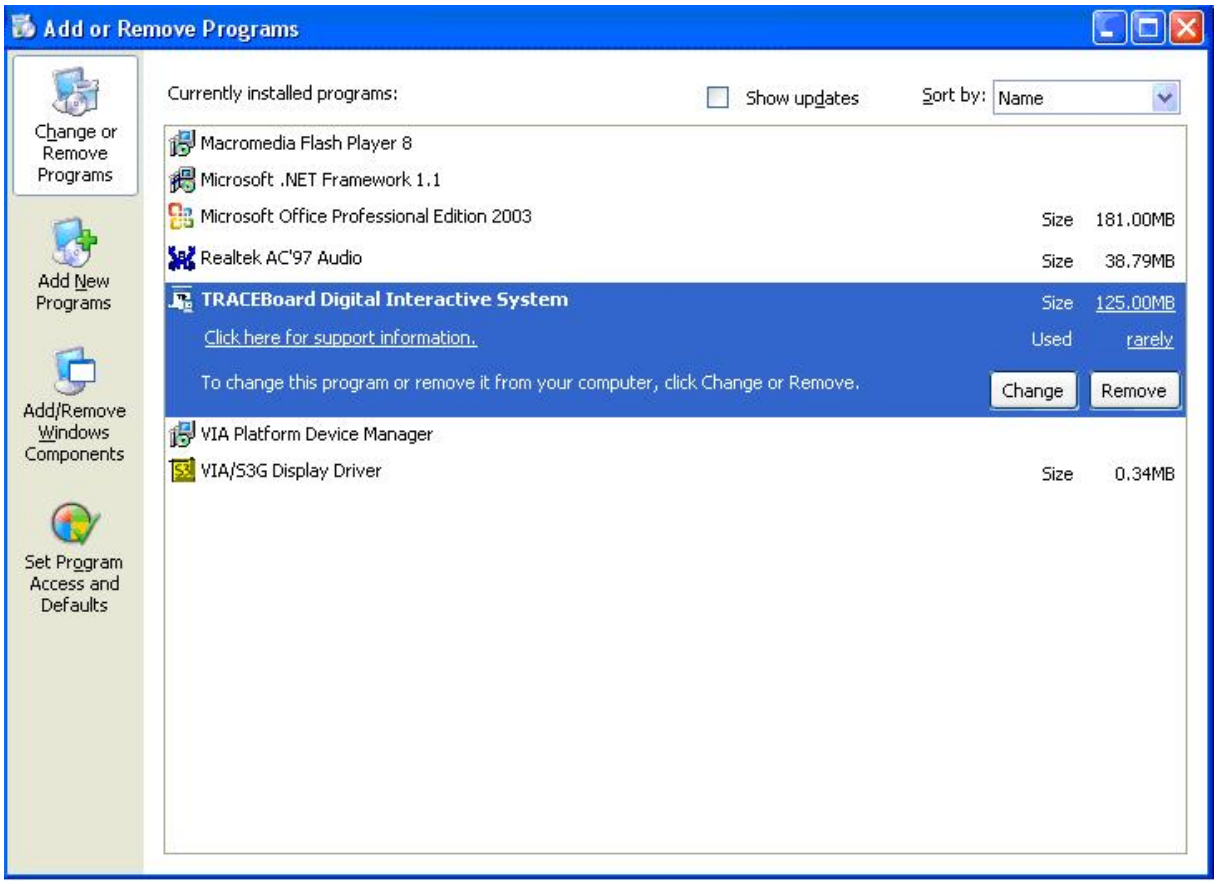

Add or Remove Programs
Change or Remove Programs
Add New Programs
Add/Remove Windows Components
Set Program Access and Defaults
Currently installed programs:
Show updates
Sort by: Name
Macromedia Flash Player 8
Microsoft .NET Framework 1.1
Microsoft Office Professional Edition 2003 Size 181.00MB
Realtek AC'97 Audio Size 38.79MB
TRACEBoard Digital Interactive System Size 125.00MB
Click here for support information. Used rarely
To change this program or remove it from your computer, click Change or Remove.
Change
Remove
VIA Platform Device Manager
VIA/S3G Display Driver Size 0.34MB

Fig 4.1.5

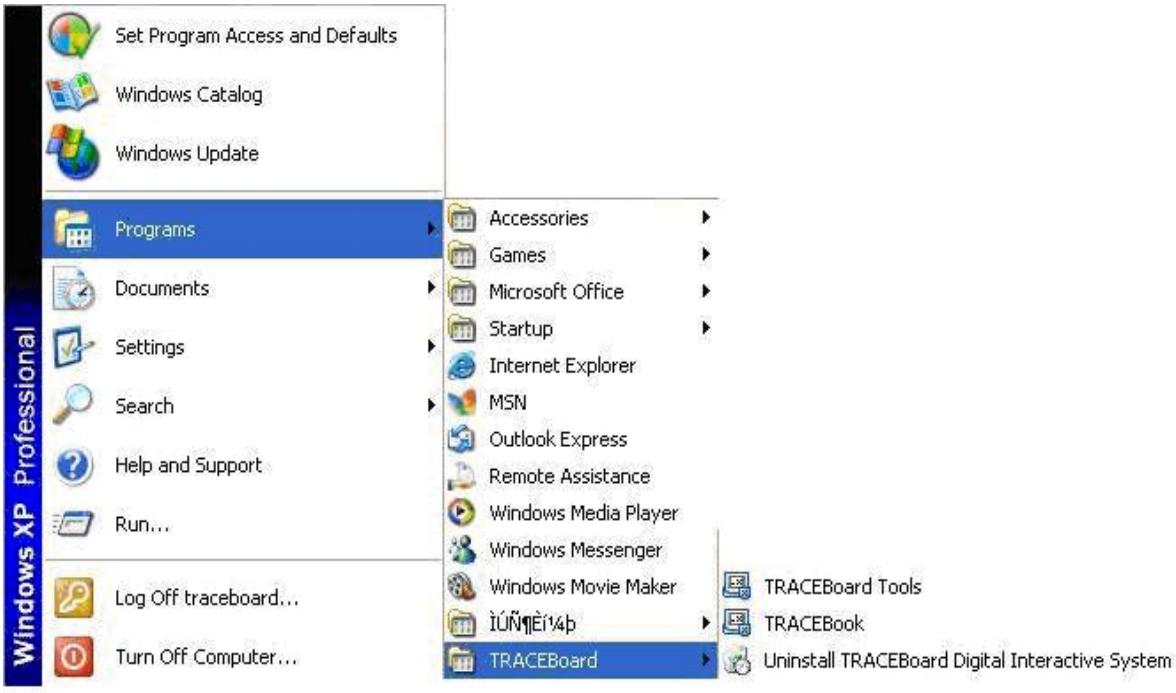

Windows XP Professional
Set Program Access and Defaults
Windows Catalog
Windows Update
Programs
Documents
Settings
Search
Help and Support
Run...
Log Off traceboard...
Turn Off Computer...
Accessories
Games
Microsoft Office
Startup
Internet Explorer
MSN
Outlook Express
Remote Assistance
Windows Media Player
Windows Messenger
Windows Movie Maker
ÌÚÑ¶Èí¼þ
TRACEBoard
TRACEBoard Tools
TRACEBook
Uninstall TRACEBoard Digital Interactive System

图 4.1.6

图 4.1.7

6.2 Solution Ⅱ:

Start the automatic updating function. Users may click the "update automatically" in the TRACETools menu as long as the computer is connected with internet. As Fig 4.1.8.

A dialog will show up as follow: 4.1.9

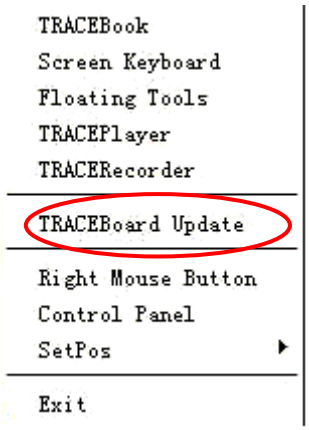


Fig 4.1.8

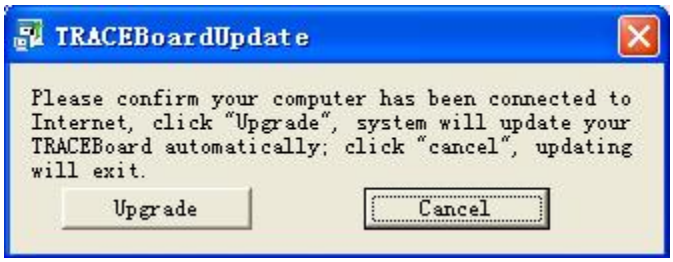

TRACEBoardUpdate
Please confirm your computer has been connected to Internet, click "Upgrade", system will update your TRACEBoard automatically; click "cancel", updating will exit.
Upgrade
Cancel

Fig 4.1.9

Click "start updating", the program will check if there is a new version on server. If yes, new version will be downloaded and installed automatically. Otherwise, a sign of "the latest version" will appear and close automatically.

6.3 Solution Ⅲ:

Free call 800-810-6656 to ask for new version from our service center. (Does this 800 number work in US?)

7 Right Mouse Button

The function is the same as "Right Mouse Button" on the Toolbar. The right mouse function will be kept until this option is clicked once again. (Please refer to point 3, para 3, chapter II.)

8 Control Panel

You may set up the properties of Pen Panel, Application Locale (selecting language) and Floating Tools in "Control Panel". The interface is shown as Fig 4.1.10.

Note: Quick pressing "Pen" and "Rubber" of the Pen Panel twice can also customize the properties.

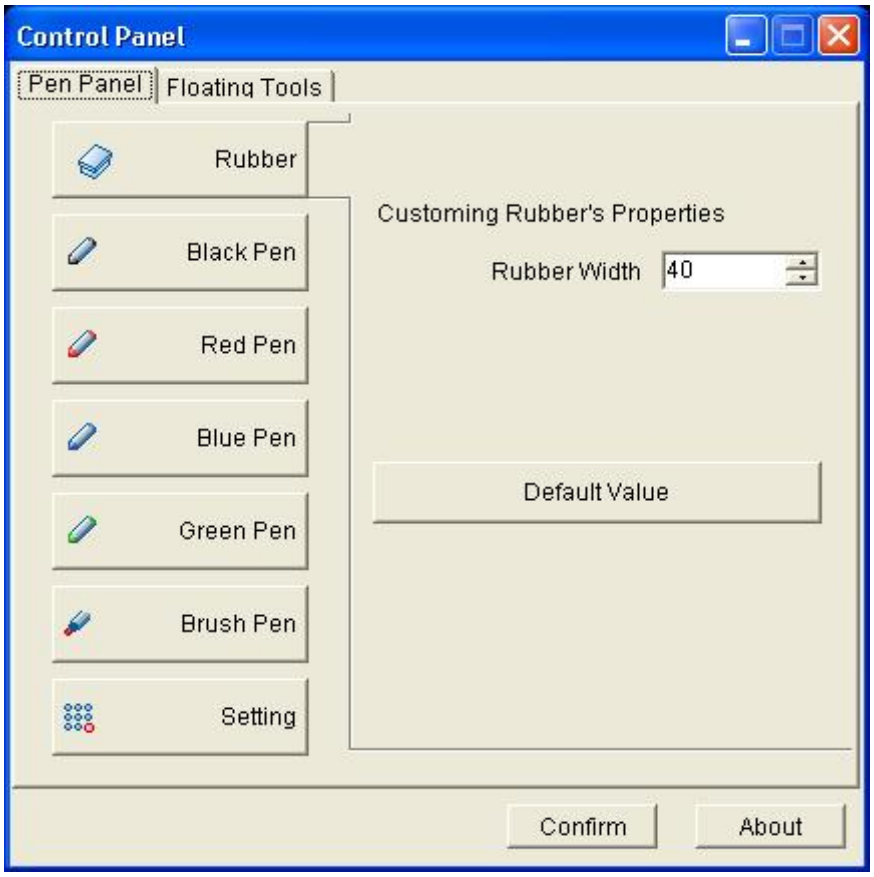


Fig 4.1.10 Control Panel

8.1 Setting

Adjust the color and width of "Pen". The width range of pen is from 1 to 100. You may input value directly in the dialog box, or click the adjustment button to adjust the value, shown as Fig 4.1.11. "Select color" option provides lots of color galleries.

It is possible to set up the erasion range of "Rubber", shown as Fig 4.1.12. Set up the width of Rubber according to your requirements. Its value ranges from 1 to 100. You may input value directly or click the adjustment button to modify it.

Fig 4.1.11 Pen property

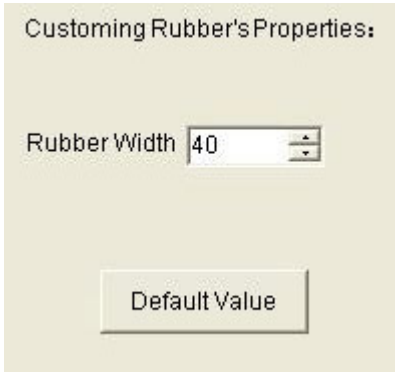


Fig 4.1.12 Eraser property

If click "Default Value" button, all properties will resume the initial settings.

Click "Setting" button. Choose language on the drop-down box in the right side dialog box. Ten languages are included: Simplified Chinese, Traditional Chinese, English, German, Dutch,

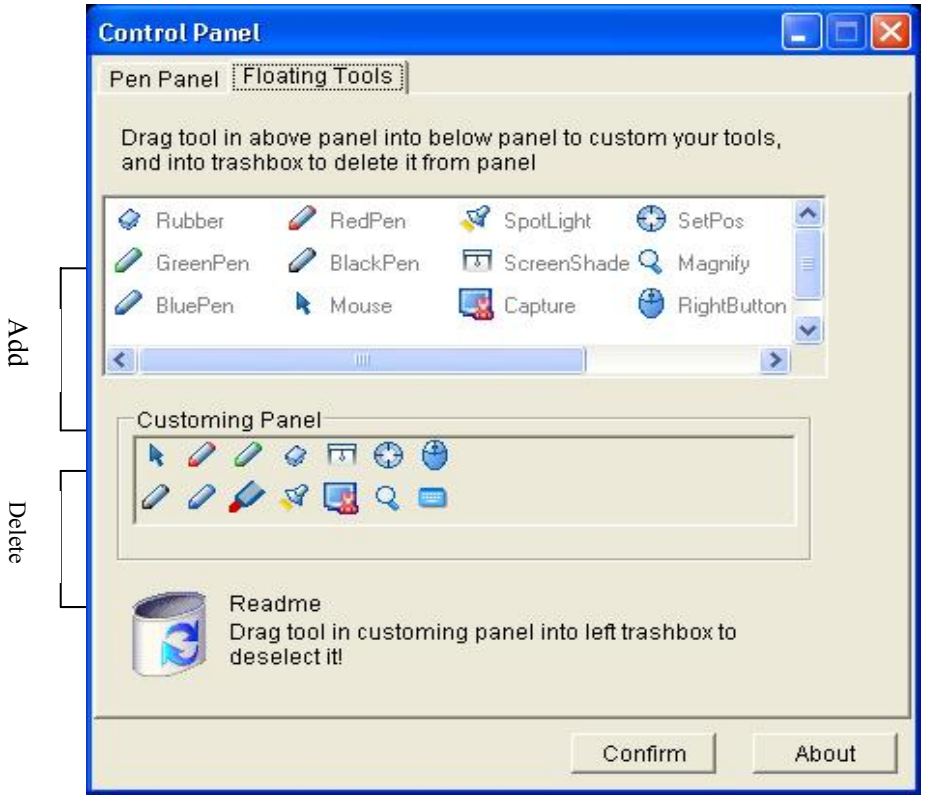
Turkish, Russian, Korean, Arabic, and Hungarian, shown as Fig 4.1.13. After Setting, click "Confirm", the language used by all TRACEBoard applications will be changed when you restart it. If click "Default Value" button, you will return all the elements to the initial settings.

4.1.13 Language setting

8.2 Floating Tools Setting

You may add or delete tools in "Floating Tools" according to your requirements, shown as Fig 4.1.14. Drag tool icons on the above tools panel into "Custom Panel" below, then you have added them to "Floating Tools". Drag tool icons on "Custom Panel" to "Trash box" below, then you have deleted them from "Floating Tools".

There are 13 tool icons in the tools panel. It is possible to either add all of them to "Floating Tools" or delete them from "Floating Tools", and the last tool in "Custom Panel" can't be deleted).



4.1.14 floating tools setting

8.3 About

Click “About” button at the bottom of control panel to see TRACEBook software and company information.

9 Position Setting

The function is the same as “Position-setting” in Para 3, chapter II.

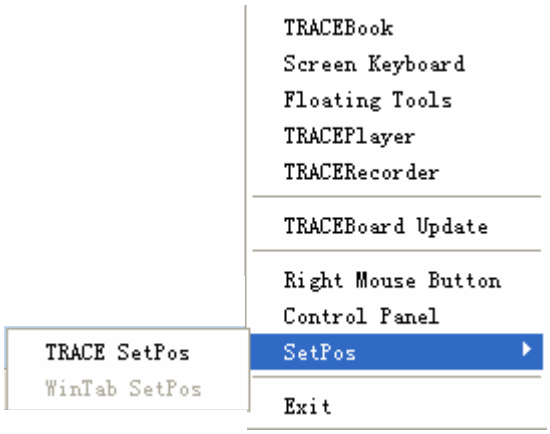


Fig 4.1.15 position setting

Chapter Ⅴ A Brief Introduction to TRACEBook Software & Application

1 A Brief introduction to TRACEBook software interface

1.1 Layout of TRACEBook window

The interface of TRACEBook software: Fig 5.1.1

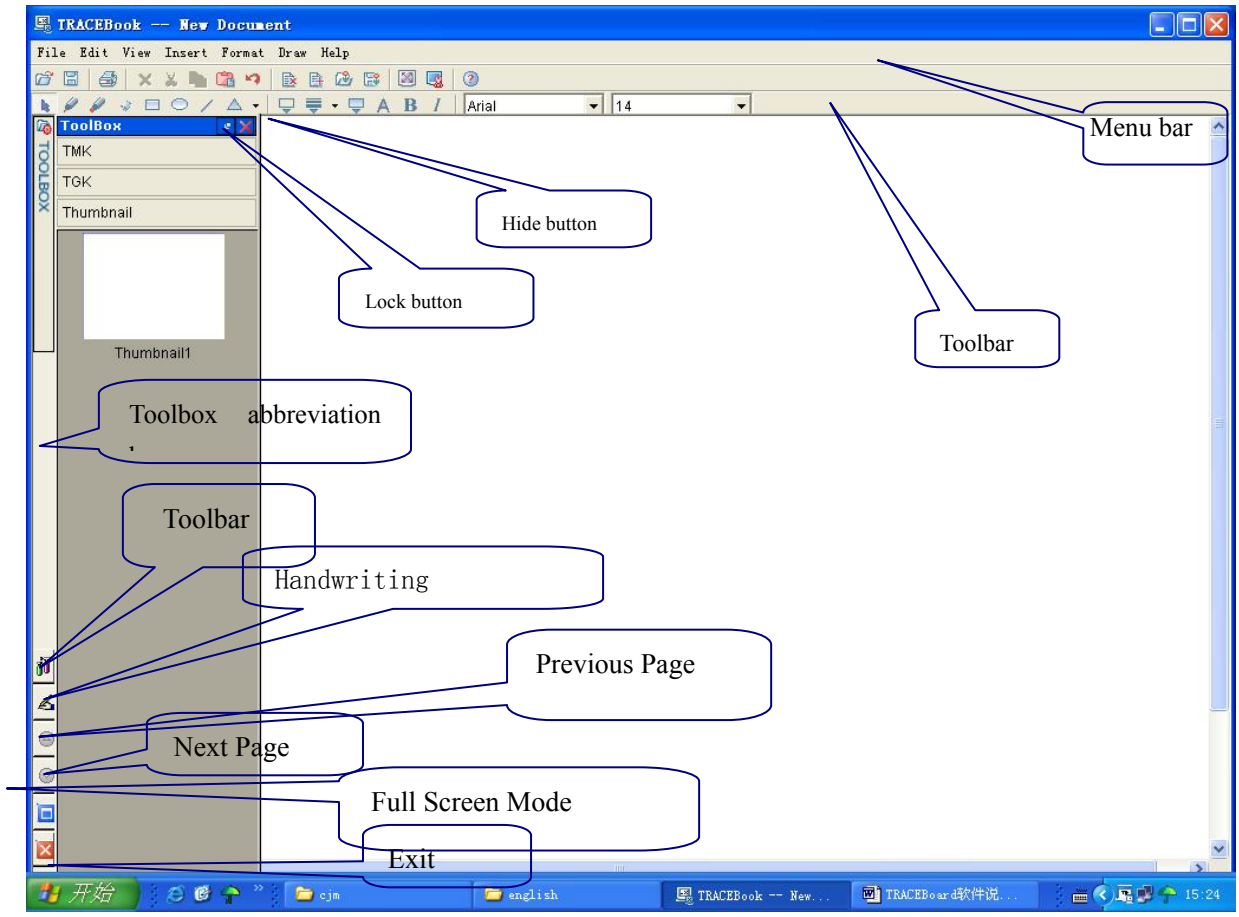


Fig 5.1.1

1.2 Menu Bar

See the detail from Fig. 5.1.2

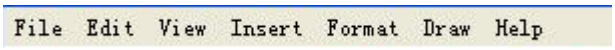


Fig. 5.1.2

1.2.1 File

Cick "File" to see under options.

New: Create a new TBK presentation.

Open: Open an existing TBK presentation.

Save: Save all kinds of open presentations (TBK, TMK, TGK).

SaveAs: Save current TBK presentation to other formats.

SaveAs TMK: Save current TBK presentation as TMK file

SaveAs Page TMK: Save current page of TBK as a TMK file.

SaveAs Picture: Save current page of TBK as a picture file.

Print: Print current TBK presentation.

Exit: Exit from current TRACEBook.

1.2.2 Edit

Click "Edit" to see under options:

Cut: Delete current selected objects, and save it in system clipboard.

Copy: Save current selected object in system clipboard.

Paste: Retrieve saved object in system clipboard.

Delete: Delete current selected object.

Select All: Select all objects in the current page.

Clear page: Delete all objects in the current page, but retain the blank page.

Delete page: Delete the current page.

1.2.3 View

Click "View" to see under options:

Previous: Show the content of previous page.

Next: Show the content of next page.

1.2.4 Insert

Click "Insert" to see under options:

Blank Page: Insert blank page after the current page.

Picture File: Insert picture from picture file in the current page.

TGK: Insert a TGK in the current page.

TMK: Insert and browse a TMK file.

1.2.5 Format

Click "Format" to see under options:

Font: Select font used in current presentation.

Border Color: Select border color of different shapes, or the color of text.

Fill color: Select filling color of different shapes.

Transparent: Clear the filling color of current selected shapes.

Lock the text position: Lock the text in a fixed position. The text can not be moved but can be revised and deleted upon being locked.

Background Color: Set up the background color of current page.

1.2.6 Draw

Click "Draw" to see under options:

Combine: Combine current selected objects to create a new object.

Cancel Combine: Undo the previous combination operation of the current selected objects.

Sort:

Set Top Level: Bring current selected objects on the top, so we can see it.

Set Bottom Level: Bring current selected objects on the bottom, so we can see objects behind it.

Level Up: Bring current selected objects one level up.

Level Down: Bring current selected objects one level down.

Set Background: Change current selected objects into background objects, then it won't be edited

Get Background: Retrieve background objects and change it to foreground objects.

Pen: Set the mode of current presentation as drawing, then you can easily write by using electronic pen. .

Brush Pen: The usage is the same as Pen, but will write in semi-transparent mode.

Rubber: Set the mode of current presentation as erasing, then you can erase what you have written.

Rectangle: Clicking this option, you can draw rectangle in current page

Ellipse: Clicking this option, you can draw ellipse in current page.

Line: Clicking this option, you can draw line in current page.

Text: Clicking this option, you can input text in current page.

1.2.7 Help

About: Click this option to see TRACEBook software and company information.

1.3 Toolbar

Please check Toolbar image below: Fig 5.1.3

Fig 5.1.3

1.3.1 First Line:

Open：Open an existing TBK presentation.

Save：Save current TBK presentations.

Print：Print current TBK presentation.

Delete：Delete current selected objects.

Cut：Delete current selected objects, and save it in the system clipboard.

Copy：Save current selected objects in the system clipboard.

Paste：Retrieve saved objects in the system clipboard.

Undo：Undo last operations（10 operations at most).

Delete page：Delete the current page. The final only page can not be deleted.

Blank page：Insert a blank page after the current page.

TGK：Insert a TGK in the current page.

Save as TGK：Save current TGK.

Slide Show：Display current presentation in full-screen mode.

Screen Capture：Startup “Screen Capture” to capture something to be used by current presentation.

About：Click this option to see information about TRACEBook.

1.3.2 Second Line:

Mouse：The electronic pen is switched to the left mouse, and then you can use as the normal mouse device.

Pen：Right-mouse click this button to drop-down the menu. Three pen modes will show up: normal, brush and line pens. Normal pen will perform as normal effect. Brush pen can write Traditional Chinese Writing style(it would be better to select the utmost

width). Line pen's effect is the same as traditional chalks(it would be better to select a middle width.)

Semi-Transparent Pen : The usage is the same as Pen, but will write in semi-transparent mode.

Rubber : Electronic pen is switched to the eraser, and then you can erase what you have drawn during pen mode (Pen or Transparent Pen).

Rectangle : Click this toolbar button. You can draw rectangles in current page.

Ellipse : Click this toolbar button. You can draw ellipses in current page.

Line : Click this toolbar button. You can draw lines in current page.

Shape : Click this toolbar button to draw triangle. Select buttons to draw dashed or polygon in current page as you want.

Ruler : Click this button to open up ruler. To carry out this function, you should double click left part of ruler to diminish it and right part to magnify it.

Protractor : Click this button to start this function to measure an angle. Click the left part of the protractor to diminish it and right part to magnify it.

Calculator : Click this button to start the calculator function.

Boarder Color : Set up the border color of the font color of text and different shapes, including rectangle, ellipse, line, dashed and polygon you drew .

Line Width : Set up the line width of pen and shapes, including rectangle, ellipse, line, dashed and polygon you drew.

Fill Color : Set up the filling color of enclosed shapes, such as rectangle, ellipse.

Text : Click this button to input and edit text in current page.

Bold : Current font is in thickened mode.

Italic : Current font is in italic mode.

Font

: Set up current font family.

Size

: Set up current font size.

1.4 TOOLBOX

The layout is shown in Fig 5.1.4:

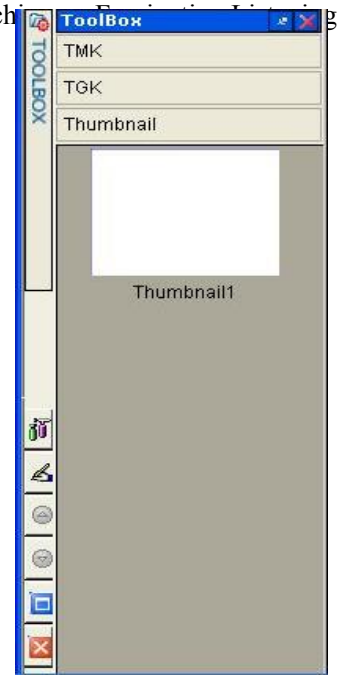


Fig 5.1.4

Lock: Lock TOOLBOX.

Hide: Hide TOOLBOX.

Toolbar: Click it to show shortcut toolbar

Handwriting Recognition: Click to setup it.

Previous Page: Show the content of the previous page.

Next Page: Show the content of next page.

Full Screen: Show in full screen mode.

Exit: Close open file and exit TRACEBook.

2 Introduction to TRACEBook Elements

TRACEBook Software is used for presentation and speech, compatible with various element objects: handwriting, text, shape, image, sound, animation and hyperlink.

2.1 Handwriting

TRACEBook Software supports unique handwritng function. It may save your written characters and figures with electronic pen in TRACEBook.

2.2 Text

TRACEBook Program supports text editing function. It may input and edit characters. You can also setup font size, font family, font color. When you finish editing, you can move and rotate it.

2.3 Shape

TRACEBook Program has the shape drawing and editing function, it may draw geometrical figures and set up its properties, such as border color, size and filling color etc. You can also zoom, move and rotate it conveniently.

2.4 Image

TRACEBook Program supports image insertion function. You can insert vectorgraph(such as WMF) and other formats image(such as JPEG, GIF, BMP) into TRACEBook for presentation and annotations. Zooming, moving and rotating images is very convenient.

2.5 Sound

TRACEBook Program has set up sound properties for all objects. Select the object to auto-play the sound, you can also set up the properties of voice, such as length of sound, start and stop time. Sound files include all kinds of formats: WMA, WMV, ASF, WM, ASX, AVI, MP3, MP2, MP1, MPA, MPGA, MPG, MPEG, DAT and WAVE.

2.6 Animation

TRACEBook Program supports not only static objects, but also animation. It may link any object in TRACEBook to the target animation. Click “Set Link Target” menu item on context

menu (right click on the object) to setup linked object(such as FLASH) of the object. When you select the object, a shorcut icon will display at the bottom left of the object. Click the icon to play any animation(such as FLASH). You can also zoom and control the animation.

2.7 Hyperlink

In presentation, it is absolutely necessary for TRACEBook to have Hyperlinks. It may link not only file, website, but also internal pages, which makes the presentation more animated and lively.

3 Basic Operation of TRACEBook Elements

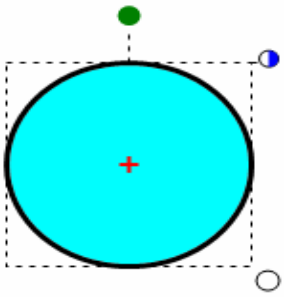
3.1 Select

3.1.1 Single Object Selecting

After clicking an object, a broken line frame will be around the obect. That means this object is chosen. Shown as Fig 5.2.1.

3. 1. 2 Multiple Objects Selecting

Select objects with an electronic pen. When there are broken line frames around them, these objects are chosen.



3.2 Border, Font and Fill Color Changing

Select an object. Click "Border Color" and "Fill color" on TRACEBook Toolbar to set up the border and fill color of the object. You can draw shapes (such as rectangle, ellipse and triangle, etc) with shape tools on the toolbar of TRACEBook Program. If you want to draw shapes with different colors, you may click other color pen keys on Pen Panel, then border color will become the one you selected. (Note: this function only works for shape and text)

3.3 Zoom

It is possible to zoom the figure, image, written contents, animation and character. There is a broken line frame around the object after it is chosen. Drag the white circle at the right bottom of the broken line frame with an electronic pen to zoom the object. (Double click left part to diminish it and right part to magnify it)

3.4 Move

TRACEBook Software supports any movement of internal object. Drag the selected object with an electronic pen. It is possible to finely adjust the position of object with slow movement of mouse or keyboard shortcut key (ctrl + cursor key), which may be used to create and edit new courseware with mouse and keyboard in advance.

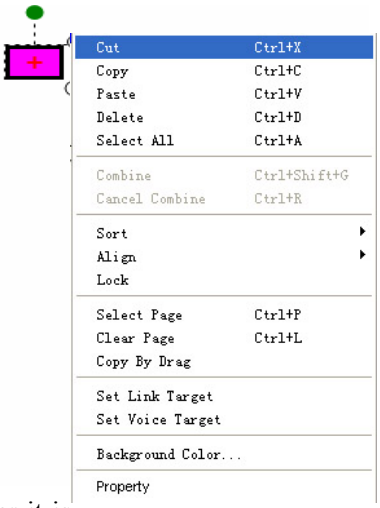


Fig. 5. 2. 2 right mouse

3.5 Rotate

It is possible to rotate shape, image, written contents, and character in TRACEBook. There is a broken line frame around the object after it is chosen. Click the left mouse button to drag the green button on the broken line frame. Then rotate the object at any angle circumfusing the pivot "+". Meanwhile, the

circumfusing pivot "+" can be moved to make more colorful and vivid circumvolution.

3.6 The usage of the right mouse

All objects in TRACEBook can perform right mouse button operation. When an object is selected, a circle filled with blue color partially will be drawn at the top right corner of the object. Click the circle to get the same function of the right mouse. Please refer Fig 5.2.2

3.7 Combination

Combine many independent objects into one overall object. Keep relative positions between objects at the same time. The procedure is: select many objects, click the right mouse button to pop up context menu, then select "Combination" menu item, or select "Combination" in "Draw" menu on "Menu Bar". All objects combined will display as a whole one after combination. (Fig 5.2.3)

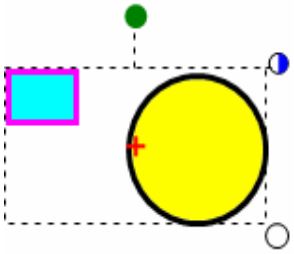


Fig 5.2.3

3.8 Cancel Combination

Select combined elements. Choose "Cancel Combination" in its context menu (right click on the object). Then break combined elements into many independent elements. For a vectorgraph, select the vectorgraph, click the right mouse button to select "Cancel Combination" in its context menu, and the vectorgraph will be broken into many elements.

3.9 Align

TRACEBook supports any operation to the selected target. Select the target. Click right mouse. The Align option will show up as Figure 6.2.4. Take "Align by top" as an example. Please see the function effect in Figure 6.2.5(before align) & Fig. 6.2.6.(after align by top)

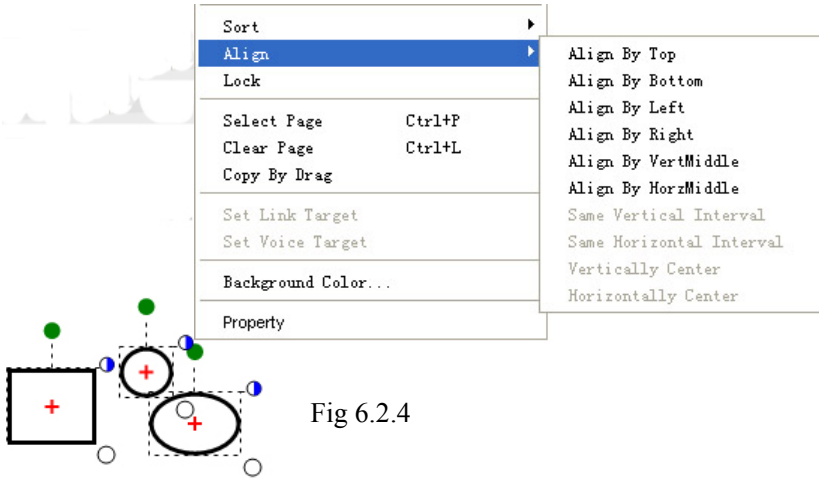


Fig 6.2.4

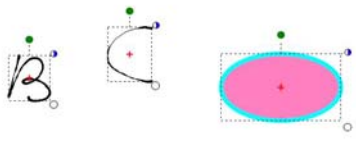


图 6.2.5

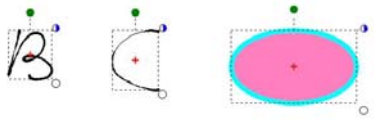


图 6.2.6

3.10 Property

There is a new property function called transparence property. You may configure the transparence of the object, including the transparence control of fill-in and frame. Please see the following pictures to find the effects before and after transparence selection: Fig 5.2.7 and Fig 5.2.8.

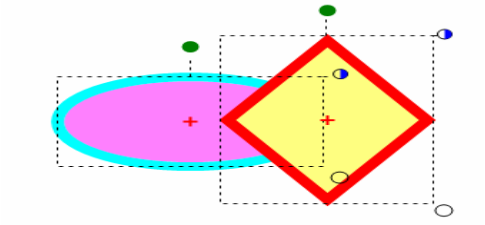


Fig 6.2.7

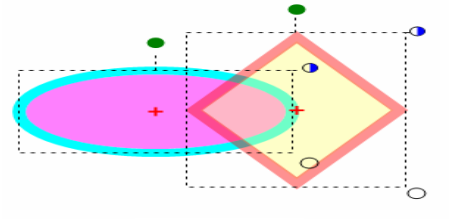


Fig 6.2.8

3.11 Copy, Paste, Delete

TRACEBook is similar to other software. It also supports the common operations such as Copy, Paste, Delete, etc. After selecting the object, click the right mouse button, and choose related menu item in context menu or related menu item in "Edit" on menu bar. Select "Copy by Drag" menu item in its context menu for the objects being copied. Drag this element to copy and paste these objects. You may copy unlimitedly, and click "Copy by Drag" again to cancel this function.

4 Text Edit

4.1 Text Input

Select "Text" button on Toolbar

4.1.1 Click on the current page to create a new input box. Then type and edit the text in it.

4.1.2 After the completion of text editing, press "Mouse Button" on Pen Panel to switch to mouse mode. The text will changed into a text object automatically.

Fig 4.4.1 Text frame

Note: if the text frame box is smaller than the content to be copied, please drag its border to enlarge it.

4.2 Delete Text

4.2.1 Delete overall text object

Select the text object, click the "Rubber" button on board or choose "Delete" button on the toolbar to delete it.

Fig 4.4.2 Delete letters

4.2.2 Delete partial characters in text object.

Double-click the selected text object to enter text editing mode. Select the words to be deleted, and repeat operations in (1) to delete it.

4.3 Modify Font Size, Font Family, Font Color, Layout of Text

After selecting the text object, you may set up its properties:

- Select the text object. Choose font family comboBox on Toolbar to select different font family.
- Select the text object. Choose font size comboBox on Toolbar to select different font

size.

- Select the text object. Click "Border Color" button on Toolbar to setup font color.
- Select the text object. Drag and move in the white circle at right bottom of text frame with mouse to change the text layout.

4.4 Lock the object Position

Lock the object at a fixed position by choosing "Lock" menu item on its context menu (right click on the object). The object can still be edited when being locked. The procedure is: select the object, right click the object, and select "Lock" menu item or select "Lock" in "Format" in menu bar. Repeat above operations to cancel "Lock".

4.5 Usage of Hand Writing Recognition

In TRACEBook，you can convert what you draw by electronic pen. For example, Formula, Digit and Value can be converted into text format distinguished by system. Click in left panel of TRACEBook to configure it. You can select language(simplified Chinese, Traditional Chinese, English and Shape, as Fig 5.4.3). If "Language" is configured as English, you will see Arithmetic, Figure, Digit or Value in "Type" item. In this case, what you draw will be recognized accordingly, check Fig 5.4.4.

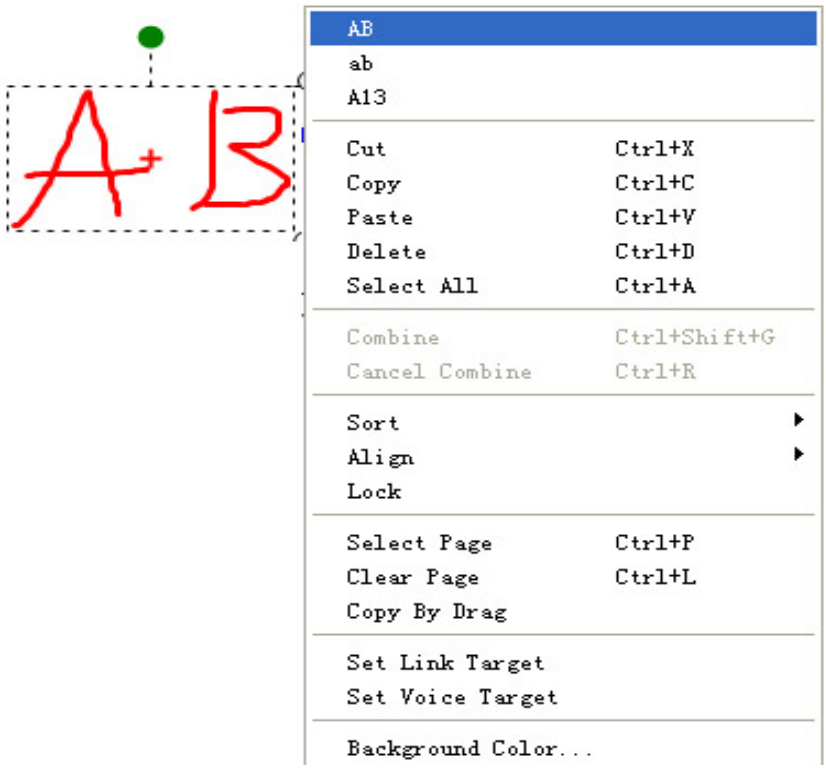
Fig 5.4.3

Fig 5.4.4

4.6 Method to Handwriting Recognition

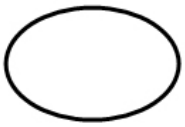
4.6.1 By using "screen keyboard", you can input any text you want by this button. Please check more details in para 3, Chapter I een keyboard or user-defined .

4.6.2 Firstly, write with electro-pen on the work area of TRACEBook. Then select what you drew, and press mouse right button. The text recognized will show in the three top menu item of the context menu. Selecting one of them, what you drew will be deleted, Text-Input-Panel will show up, and the text contained in the menu item will be inserted into it.(Fig 5.4.3 & 5.4.4)



Pen Drawing

Fig 6.4.3



After Recognition

Fig 6.4.4

Input method	Screen Keyboard	Textbox	Write directly
All softwares in Windows	√	×	×
Support TRACEBook	√	√	√
Recognition of Shape, Arithmetic, etc.	×	×	√
Button			After selecting, press right mouse

4.6.3 Click "Textbox" in Toolbar and click on the work area of TRACBook to show the Text-Input-Panel at where you want. Then press a 'Pen' button(say, the Red Pen) on the board, the Text-Input-Panel will enlarge. When you write in the area outside of the Text-Input-Panel, the text recognized according to what you draw will show inthe Text-Input-Panel automatically. More details in point 1, para 4, this chapter.

Please see under chart for above three methods comparatively:

5 Insertion and Edit of TGK

5.1 TGK insertion

5.1.1 Method Ⅰ: Click "Insert" button on menu bar, select "TGK", and insert the TGK file you selected into the dialog box.

5.1.2 Method Ⅱ: Click the right mouse button in "Insert TGK" on TOOLBOX Toolbar. Select the TGK file you want to insert.(Fig 5.4.5)

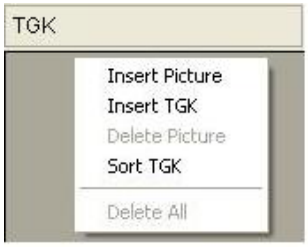


Fig5.4.5

5.2 Layer, Set Background, Get Background

5.2.1 Layer

TRACEBook supports the stack of many objects in a single page. Last inserted object is on the top layer, and you may modify the layer of one object according to your requirements. Select the object that you want to change layer. Click the right mouse button to pop up context menu. Select "Sort" or "Sort" in "Draw" menu on menu bar to setup its layer.

5.2.2 Set Background

By making objects as background, these objects can't be modified, such as select, rotate, move. The procedure is: select the objects and right click on the objects to popup context menu to select "Sort" → "Set Background", or click "Draw" → "Sort" → "Set Background" to set it as background objects.

5.2.3 Get Background

Comparing with "Set Background", "Get Background" will retrieve the background objects, so it can be modified. The procedure is: click "Sort" → "Get Background" in context menu to do it.

6 Hyperlink

You may create hyperlinks for any object in TRACEBook. Access to linked target by clicking the object with hyperlink (text, image, picture, etc.). Linked objects include: files in PC, web address, animation, and internal pages in TRACEBook.(Fig 5.5.1)

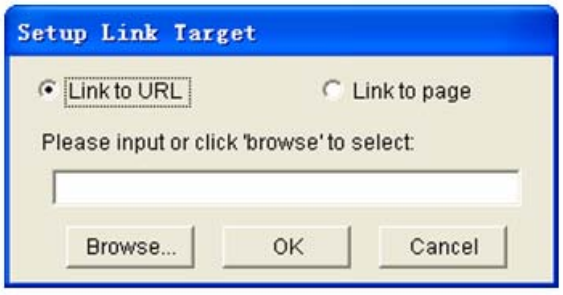


Fig 5.5.1

6.1 File Link

Select an object; right click it to pop up context menu, select "Set Link Target" menu item to show up a dialog box.

To setup link target, click "Browse…" in the prompted window, select linked object, and click "OK" to complete hyperlink setting operation.

6.2 Web Address Link

Select an object, right click it to pop up context menu, select "Set Link Target" menu item to show up a dialog box to setup link target, input the website address in the prompted window, and click "OK" to complete hyperlink setting operation.

6.3 Page Link

Select an object; right click it to pop up context menu. Select "Set Link Target" menu item to show up a dialog box to setup link target. Choosing "Link to page" in the prompted window, the dialog box will switch the interface. Select the page being linked in the drop-down list.

6.4 Animation Link

Select an object. Right click it to pop up context menu, and select "Set Link Target" menu item to show up a dialog box to setup link target. Click "Browse…" in the prompted window to choose linked FLASH animation.

Note: there is a shortcut icon (an arrow icon) at the left bottom of the object with hyperlink. Click the icon to open its hyperlink

There are two ways to play linked video:

6.4.1 Embedded player: Size of the video will exactly match the object size. Embedded player will neither to be paused nor to be noted. While you can write outside the player. The position and size of video can be changed just as normal objects. This function will be set up by long clicking (over 1 second) the arrow icon. It supports lots of video format, such as WMV, AVI, DAT, ASF, and MPG. Flash can be played even if there is no Flash player in your computer. Click blank area to quit, check Fig 5.5.2.

6.4.2 TRACE Player: You can play linked video by TRACE Player. In this function, you can control the player accordingly. The same as the above method, the function can be used by quickly clicking the shortcut icon. see Fig 5.5.3.

Fig 5.5.2

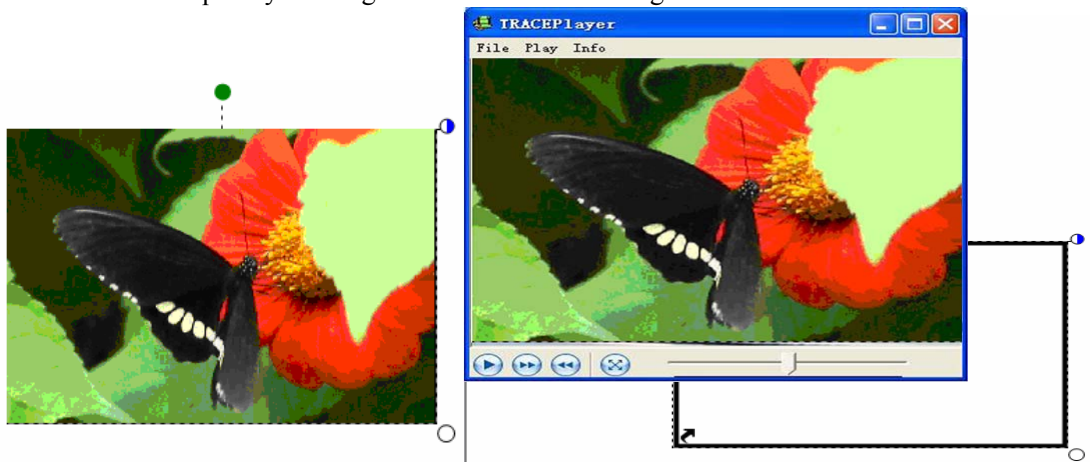


Fig 5.5.3

7 Built-in Sound

TRACEBook supports the function of built-in sound. Click the left mouse button on the object with sound property to play the linked sound without the player interface (Fig 5.6.1). The procedure is:

7.1 First step

Selecting an object, right click it to pop up a context menu. Select “Set Voice Target” menu item

to show up a dialog box to setup link target (see Fig 5.6.1). Click “Browse…” in the prompted window to select and setup sound file.

7.2 Second step

Input the starting and ending time of playing sound file in “Start” and “End” textbox according to your requirements.

7.3 Third step

Click “OK” to complete built-in sound setting.

Note: Multiple clicks may make the sound playing repeatedly

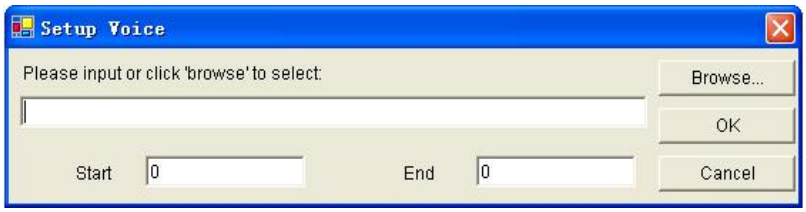


Fig5 4.7 Sound linkage dialog box

8 Flash Insertion

Selecting an object, right-click it to pop up a context menu. Select “Set Link Target” menu item to show up a dialog box to setup link target. Click “Browse…” in the prompted window to choose the FLASH animation. There is a shortcut icon (an arrow icon) at the bottom left of object after the linkage. Click the shortcut icon to open the animation. It is possible to zoom or move it. Click the blank area to exit the animation.

9 Screen Capture

“Screen Capture” may capture the contents on the interactive whiteboard or the monitor, and save the image into TRACEBook to modify. It makes your presentation and explanations more convenient. (Please check point 8, para 3, chapter II, Screen Capture).

Chapter Ⅵ TRACEBook

1 Function & Usage of TRACEBook

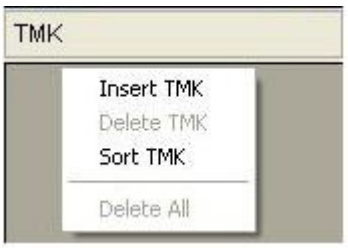


Fig 6.1 TMK

1.1 What is TMK?

TMK is one of the important files used by TRACEBook Application. The suffix name of the file is TMK. Main difference between TMK and TBK is that TMK files contain templates that can be repeatedly imported to the TBK, and TBK files contain the final content (maybe use TMK). The purpose of TMK is to facilitate the creation of the courseware and the speech material.

1.2 TMK Creation

Edit the objects in TBK, which includes text, sound, pictures, animation, image, etc. Then select “Save as TMK” to save the content of all pages as TMK, or choose “Save as Page TMK” to save content of the current page as TMK.

1.3 TMK Usage

TBK file is the main file of TRACEBook files. So each TMK file should be opened in a TBK presentation file. First, open a TBK file which you are going to present. Then, click TOOLBOX toolbar at the left of TRACEBook, right-click in the blank area of “TMK” panel(see Fig 6.1), click on the “Insert TMK” menuitem to insert the TMK file. The content of inserted TMK will be shown as thumbnails in the TMK panel of TOOLBOX toolbar after insertion. Drag a thumbnail into the current page to insert it into the work area. Select “Delete All” to unload the TMK, all thumbnails will be cleared.

2 The Creation and Usage of TGK

1.4 What is TGK?

TGK is the necessary file format used by TRACEBook in presentation, the suffix of the file is TGK. TGK are used to present and note some content (words, pictures…) by some vivid pictures. TGK file contains the noting-TGK file (saved in TGK area of the TOOLBOX) and the noted-TGK file (saved in TMK area of the TOOLBOX).

1.5 Creation& Usage of TGK

1.5.1 Creation of noted-TGK file

First, get all the noted objects in the work area. Select the objects to set as the background so that all the elements in the current page will not move any more. If you necessary, you could make more pages of TMK file. Then click the “Lock Button” of the TOOBOX to fix the TOOLBOX. Drag each page you’ve made to the TMK area of the TOOLBOX.

Note: Click at the blank area to drag the noted-pages, or it will not work.

1.5.2 Creation of noting-TGK file

The moveable pictures and words are the noting-TGK files. The inserted pictures and words in the work area can be dragged into TGK of the TOOLBOX one by one.

Note: Select the objects before dragging.

Click at the blank area in the current page, then drag it into the TMK area of TOOLBOX. The current page will become a template and import into TMK. Select one or more objects in the current pages, then drag it into TGK area of TOOLBOX. These selected object will become TGK elements and import into TGK.

1.5.3 Save

Click “save TGK” in TRACEBoard toolbar to save it.

3 Usage of TGK

Similar to TMK file, TGK file is also imported to be used by presentation: click “TGK” on TOOLBOX toolbar or select “Insert TGK” menu item in context menu of TGK area of TOOLBOX to insert it. After insertion, it will show in “TMK” and “TGK” of the TOOLBOX toolbar. It is possible to drag the content of “TMK” and “TGK” to represent in the work area.

Types	*. TBK	*. TGK	*. TMK
Name	TRACEBoard Kit	TRACEBoard Graphics Kit	TRACEBoard Template Kit
Content	Thumbnail (Picture I)	TGK area ; TMK area (PictureII, III)	TMK area (PictureIII)
Operation	sorting by dragging , renaming	**The noting-TGK file:** Select one or more objects in the current page, then drag it into TGK area of TOOLBOX. These selected objects will become TGK elements and import into TGK. **The noted-TGK file:** Click at the blank area in the current page, then drag it into the TMK area of TOOLBOX. The current page will become a template and import into TMK. And vice versa.	Click at the blank area in the current page. Then drag it into the TMK area of TOOLBOX. The current page will become a template and import into TMK and vice versa.
Creation	The automatic creation after editing in the work area.	Drag the elements to the TGK area.	All pages of current presentation (TBK) are saved as TMK. Or Current pages are saved as TMK.
Save	Exit the system and save it in the save dialog box or click “Save” in the	Click “save TGK” in TRACEBoard toolbar to save it, or exit the	Click “Save as TMK” or “Save as Page TMk” on the “File” menu 。

	toolbar.	system to save it through the saving dialog box.	
Application	Double click	Right- click in the blank area of “TGK”, click “Insert TGK” to insert the TMK file. Or click “Insert TGK” on menu bar	Right -click in the blank area of “TMK”(click “Insert TMK”) to insert the TMK file.

Chapter Ⅶ Product Maintenance

1 Pen Maintenance

Instruction of battery change for the electronic pen:

1.1 Hold the front part of the pen by one hand; loosen the end of the pen clockwise by the other hand.

1.2 Take the end of the pen away, and then you will see the battery.

1.3 Take out the battery.

1.4 Replace new batteries according to the direction of anode and cathode (one AA battery).

1.5 Put the end of pen on the pen and complete the change of battery.

2 Maintenance of TRACEBoard Interactive Whiteboard

Before cleaning TRACEBoard interactive whiteboard, you'd better exit the operating system of PC, and then make the projector standby, which may display the dirt clearly.

(Hint: Cleaning per week for frequently used interactive whiteboard, which may keep the best definition).

Normal washing water and common detergent may clean the TRACEBoard interactive whiteboard. Spray water or detergent on the dirty position of the screen, and wipe it with paper.

Attention: Do not use organic solution to clean your whiteboard, because it may damage whiteboards permanently.

Chapter Ⅷ Troubleshooting

Function	Issue	Cause and Solution
1. Indicator	1. No indicator:	①Cause: No connection between USB interface and PC, or loose connection between COM interface and whiteboard. Solution: Check the USB and COM interface, and reconnect it.
		②Cause: Replace USB interface or COM interface of whiteboard Solution: If COM interface of the whiteboard needs replacement, contact the sales agent. 400-818-6656（for fixed phone and cell phone, free of charge l.d.tel.）
		③Cause: Replace USB data cable. Solution: Contact the sales agent. 400-818-6656（for fixed phone and cell phone, free of charge l.d.tel.）
		④Cause: No indicator, but the whiteboard can be used normally. Solution: 400-818-6656（for fixed phone and cell phone, free of charge l.d.tel.）
	2. Red indicator:	①Cause: Loose connection of USB or COM interface. Solution: Check the USB and COM interface, and reconnect it.
		②Cause: Failed installation of the interactive whiteboard software. Solution: Uninstall old whiteboard software driver and reinstall it.
		③Cause: No startup of the interactive whiteboard tool software. Solution: Double-click tool icon of TRACEBoard startup tool.
		④Cause: Failed installation of USB data cable driver. Solution: Reinstall USB data cable driver.
		⑤Cause: USB data cable should be replaced. Solution: Contact the sales agent. 400-818-6656（for fixed phone and cell phone, free of charge l.d.tel.）
		⑥Cause: Control card in the whiteboard should be replaced. Solution: Contact the sales agent. 400-818-6656（for fixed phone and cell phone, free of charge l.d.tel.）
HIKey	3. Malfunction of all buttons:	①Cause: No startup of the interactive whiteboard tool software. Solution: Double click tool icon of TRACEBoard startup tool.
		②Cause: Failed installation of the interactive whiteboard software. Solution: Uninstall old whiteboard software driver and reinstall it.

		③Cause: Loose or wrong connection of two lines between toolbar back and whiteboard bottom. Solution: Fasten connection or reconnect lines according to left gray and right black.
	4. Malfunction of single button:	①Cause: Lines between toolbar back and whiteboard bottom should be replaced. Solution: 400-818-6656（for fixed phone and cell phone, free of charge l.d.tel.）
		②Cause: Failed installation of digital interactive whiteboard software. Solution: Reinstall digital interactive whiteboard software.
		③Cause: Internal part of digital interactive whiteboard should be maintained or replaced. Solution: contact the sales agent. 400-818-6656（for fixed phone and cell phone, free of charge l.d.tel.）
Digital interactive whiteboard	5. Unable to control the whiteboard:	①Cause: Failed installation of digital interactive whiteboard software. Solution: Uninstall old whiteboard software driver and reinstall it.
		②Cause: No startup of digital interactive whiteboard tool software. Solution: Double click tool icon of TRACEBoard startup tool.
		③Cause: Loose connection of two lines between toolbar back and whiteboard bottom; or replacement is needed. Solution: If it is loose, reconnect lines according to left gray and right black; or contact the sales agent. 400-818-6656（for fixed phone and cell phone, free of charge l.d.tel.）
		④Cause: Flat battery or the electronic pen should be replaced. Solution: Replace battery or the electronic pen.
	6. Electronic pen may control partial whiteboard:	①Cause: Wrong position-setting a. change of relative position between the projector and whiteboard; b. change of PC; c. reinstall the software. Solution: Reset the position.
		②Cause: Wrong software setting. Solution: Delete the TRACEBoardSrv.ini file, restart the computer and reset the position.
		③Cause: Internal lines of the whiteboard should be replaced. Solution: Contact the sales agent.
	7. Abnormal Line Draw:	①Cause: The horizontal (vertical) line is not straight during the line draw, which means wrong position-setting. Solution: Reset the position.
		②Cause: The horizontal (vertical) line is bending during the line draw. Solution: Contact the sales agent. 400-818-6656（for fixed phone and cell phone, free of charge l.d.tel.）
		③Cause: The cursor moves in other row (column) instead of moving with the pen during the line draw. Solution: Contact the sales agent.

	8. Abnormal mouse:	①Cause: The cursor may sometimes quiver or work normally. There is a interfering resource around the whiteboard, for instance, monitor, TV, etc. Solution: Close the interfering resource or move it over 50cm away.
		②Cause: The cursor may stay at the top left (top right) fixedly or quiveringly, which means damage of internal parts, or wrong system file. Solution: Empty data in system files (TRACEBoardSrv), restart the computer, reset the position or contact the sales agent.